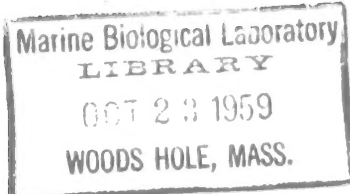


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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES



prepared by

Biology Branch, Fisheries Division



Curr. Bibliogr. aquat. Sci. Fish., 2(6)

Rome, June 1959

Containing: taxonomic index 2(5), geographic index 2(5), references and
author index to, 59-4501 - 59-5676

[2.1(2)]



Errata

Please correct authors:

584556	Shmal'gauzen, I.I.	to	Detlof, T.A.
4557	Pavlovskii, E.N.	"	Pavlov, P.I.
4558	"	"	Bekker, V.E.
4559	"	"	Geinrikh, A.K.
4560	"	"	Manuilova, E.F.
4561	"	"	Zhirmunski, A.V. & M.I. Kiseleva
4562	Grigoriev, A.A.	"	Klumov, S.K.
4563	"	"	"
4627	Pavlovskii, E.N.	"	Kiseleva, M.I.
4628	"	"	Kraiushkina, L.S.
4629	Shmal'gauzen, I.I.	"	Koloss, E.I.
4630	"	"	Kudinova-Pasternak, R.K.
4631	Pavlovskii, E.N.	"	Chukhchin, V.D.
(Alphabetic index vol. 1, to be corrected accordingly)			
59-1009	Shmal'gauzen, I.I.	"	Neifakh, A.A. & N.N. Rott
1011	"	"	Beliaeva, V.N. & G.L. Pokrovskaya
1012	Sukachev, V.N.	"	Delone, L.N.
1013	Shmal'gauzen, I.I.	"	Strelkovskii, V.I.
1014	"	"	Dabagian, N.V.
1015	"	"	Gunko, A.F.
1016	Grigorev, A.L.	"	Geinrikh, A.K.
1017	Shmal'gauzen, I.I.	"	Luferov, V.P.
1018	Oparin, A.I.	"	Kriss, A.E., A.S. Tikhonenko & V.I. Biriuzova
1019	Pavlovskii, E.N.	"	Iudanov, I.G.
1020	"	"	Monakov, A.V.
1090	Shmal'gauzen, I.I.	"	Lebkova, N.P.
1091	Shaposhnikov, V.N.	"	Sokolova, G.A. & Iu.I. Sorokin
1092	Grigorev, A.A.	"	Geinrikh, A.K.
1093	"	"	Semina, G.I.
1094	Shmal'gauzen, I.I.	"	Zelikman, E.A.
1095	Shaposhnikov, V.N.	"	Sorokin, Iu.I. & A.N. Meshkov
4236	Shuleikin, V.V.	"	Aleev, Iu.G.
4237	Pavlovskii, E.N.	"	Kiknadze, I.I.
4238	"	"	Pavlovskaya, R.M.
4239	"	"	Rudakov, N.P.
4240	Shmal'gauzen, I.I.	"	Detlaf, T.A.
4241	Pavlovskii, E.N.	"	Sadov, I.A.
4242	Shmal'gauzen, I.I.	"	Monakov, A.V.
4243	"	"	Poddubnaia, T.L.
4244	"	"	Nikitin, V.N.
4245	Pavlovskii, E.N.	"	Petipa, T.S.
4246	"	"	Manuilova, E.F.
4247	"	"	Nadezhin, V.M.
4248	"	"	Aleev, Iu.G.
4249	Shmal'gauzen, I.I.	"	Bekman, M.Iu.
4250	"	"	Konstantinov, A.S.
4251	Pavlovskii, E.N.	"	Rzhepishevskii, I.K.
4252	Shmal'gauzen, I.I.	"	Konstantinov, A.S.
4253	"	"	Mileikovskii, S.A.
4254	Pavlovskii, E.N.	"	Khlebovich, V.V.

Please correct date:

584556 to 584564	1957	to	1958
584627 " 584631	1957	"	1958
59-4236 to 59-4254	1958	"	1959

585710	unif effort	should read	unit effort
59-1094	<u>Euplausians</u>	" "	Euphausians
59-3362	planktonic	" "	plankton feeding
59-3381	Branchiura	" "	<u>Branchiura</u>
59-3470	M	" "	MF
59-3480	app.	" "	spp.
59-3491	1, 050	" "	1050
59-3509	<u>Micropterus</u>	" "	<u>Micropterus</u>
59-3513	these	" "	those
59-3515	<u>Tubularia</u>	" "	<u>Tubularia</u>
59-3520	<u>Eucreto</u>	" "	<u>Eucrete</u>
59-3669	frields	" "	friends
59-3679	Polychaete	" "	polychaeta
59-3680	District	" "	district
59-3760	Plywood	" "	plywood
59-3772	angle	" "	angling
59-3785	siphomophore	" "	siphonophore
59-3806	occidentalis	" "	<u>occidentalis</u>
59-3832	week	" "	weed
59-3989	F	" "	MF
59-3990	F	" "	MF
59-4017	<u>Coranx</u>	" "	<u>Caranx</u>
59-4017	<u>Megalopsis</u>	" "	<u>Megalaspis</u>
59-4017	<u>Cynoglussus</u>	" "	<u>Cynoglossus</u>
59-4024	vogue	" "	vague
59-4102	<u>Argyrostomus</u>	" "	<u>Argyrosomus</u>
59-4112	sea of Japan	" "	Sea of Japan
59-4116	<u>Paratichthys</u>	" "	<u>Paralichthys</u>
59-4116	<u>Lamnida</u>	" "	<u>Lamnidae</u>
59-4116	<u>Rajida</u>	" "	<u>Rajidae</u>
59-4140	frond	" "	frond
59-4173	<u>Pleistophora</u>	" "	<u>Plistophora</u>
59-4271	<u>& grimaldi</u>	" "	<u>L. grimaldi</u>
59-4297	Bureau od	" "	Bureau of
59-4301	curing	" "	during
59-4305	<u>Sardina</u>	" "	<u>Sardinops</u>
59-4307	<u>Scophthalmus</u>	" "	<u>Scophthalmus</u>
59-4307	<u>Merangulus</u>	" "	<u>Merlangus</u>
59-4377	<u>Illes</u>	" "	<u>Illex</u>
59-4382	<u>Carcinas</u>	" "	<u>Carcinus</u>
59-4386	cyclopes	" "	<u>Cyclops</u>
59-4400	Basmines	" "	bosmines
59-4425	electric stock	" "	electric shock
59-4426	mass	" "	man
59-4445	Platosidae	" "	Plotosidae
59-4453	stucy	" "	study

59-4369 & 59-4470 insert F

59-1704 delete "Annotation to follow". Cancel numbers 59-2673 & 59-2943

Addenda

Deacon, G.E.R. (1958) 59-1927
Impact of Science on Society, 9:79-92
The use of oceanography

A review of the application of oceanography in various fields & notes on future investigations needed for technical improvements in these fields (fisheries, extracting of chemicals from sea water, power from the sea, navigation, coastal engineering, waste disposal & effect of oceans on climate).

SJH:tl

M

Schellenberger, G. (1957) 59-2237
Acta hydrophys., 4:71-91
Temperaturregistrierungen im Eis des Müggelsees bei Berlin im Winter 1955-56. (Recording of temperature in ice of the lake Müggelsee by Berlin during the winter 1955-56)

Description of the seasonal & diurnal variations of temperature of the ice & water below it & computations on the growth of ice.

GLK:tl

F

Schmitz, H.P. (1957) 59-2131
Acta hydrophys., 4:93-105
Zur Ermittlung der Geschwindigkeit suspendierter Sinkstoffteilchen aus der des Wassers (Determination of the speed of suspended particles from the speed of the water)

Theoretical discussion on settling speed of suspended matter in the water.

CLK:tl

F

Sindermann, C.J. (1957) 580840
Res.Bull., Maine, (27):30 p.
Diseases of fishes of the western North Atlantic - V. Parasites as indicators of herring movements

Studies on Ichthyosporidium, Kudoa, cestodes, nematodes, & Brachyphallus, trematode, in mature & 0- & I-group herring suggest lack of intermixing of some herring populations in the gulf of Maine & the gulf of St. Lawrence.

:icnaf

M

Martin, W.R. & 580735
G.J.W. Sullivan (1957)
Circ.Atlant.biol.Sta.statist.Ser., (8):
10 p.
1954 landings of Atlantic groundfish in Canada (excluding Newfoundland)

1954 landings of Atlantic groundfish in Canada, excluding Newfoundland, are reported by spp., by area of capture, month, gear, & fishing effort. 3 tables & 5 figures.

:icnaf

M

Hill, M.B. & J.E. Webb (1958) 585801
Phil.Trans., 241B:319-33
 The ecology of Lagos Lagoon - II.
 The topography and physical features
 of Lagos harbour and Lagos lagoon

The topography of Lagos harbour & the
 system of lagoons & creeks associated
 with it, is described. Measurements
 of salinity in the harbour, in the
 lagoon north of Lagos, & in a creek
 connecting them, are analysed.

:wpa

MF

Hirsch, A. (1957) 59-2549
Publ.Fish.Lab.N.Z.Mar.Dep., (36)
 Biological aspects of water pollution
 and water supply problems

Note presented to 6th annual meeting
 of society, reviewing this subject.
 (issued as: Proc.N.Z.ecol.Soc., 1957,
 (5):6-7).

:sjh

F

Webb, J.E. (1958) 585804
Phil.Trans., 241B:393-419
 The ecology of Lagos Lagoon - V.
 Some physical properties of lagoon
 deposits

An investigation of the porosity &
 composition of the different sand
 fractions in the lagoons near Lagos
 was carried out, to discover the ways
 in which differences in composition of
 natural sand deposits may limit the
 distribution of burrowing animals.

:wpa

MF

Cunningham, B.T. (1957) 59-2550
Publ.Fish.Lab.N.Z.Mar.Dep., (37)
 Coastal dune lakes

Ecological study of western lakes of
 N. Is., New Zealand, with
 reference to fish - angling interest
 benthos & plankton. Rainbow & brown
 trout stocking; predation by
Phalacrocorax. (issued as: Proc.N.Z.
ecol.Soc., 1957(5):22-3).

:sjh

MF

Ageitos de Castellanos, Z.J. (1957) 580741
Buenos Aires, 12 p.
 Los Mitilidos argentinos (The
 Mytilids of Argentina)

A synthesis of the mytilids
 represented by 7 genera & 11 spp.;
 synonymy, morphological characters &
 distribution of the spp. are given.

:hr

M

Suarez Caabro, J.A. (1958) 59-1912
Marianao, Cuba, 9 p.
 Estado actual de la pesca del
 camaron en Cuba (The present
 situation of the Cuban shrimp fishery)

A review of fishing methods & grounds
 production & research of Cuban
 Penaeids.

FiB:hr

M

Martin, W.R. & 580736
 G.J.W. Sullivan (1957)
Circ. Atlant. biol. Sta. statist. Ser., (9)
 1955 landings of Atlantic groundfish
 in Canada (excluding Newfoundland)

1955 landings of Atlantic groundfish
 in Canada, excluding Newfoundland,
 are reported by spp., by area of
 capture, month, gear & fishing effort.
 3 tables & 5 figures.

:icnaf

M

Smith, I.W. (1957) 584024
Salm. Trout Mag., (150):148-9
 The occurrence of damaged sea trout
 on the east coast of Scotland

Brief note to place information on
 record with suggestions as to the
 cause of the wounds.

FiB:efa

F

Silva, A.D. (1957) 580839
Publ. Gab. Estud. Pesca, (35):87 p.
 A pesca do bacalhau - Campana de 1955-
 1956 (The cod fishery - 1955-1956
 season)

Gives a complete picture of the
 Portuguese cod fishery in the NW
 Atlantic in 1955, with comparison on
 the one hand with previous years &
 on the other, with that of other
 nations. The tables incl. data on
 effort, landings & catch per unit
 effort. Certain chapters describe
 the background for the fishery; the
 organization of the fishing industry

Kanazawa, R.H. (1958) 59-1640
Proc. U.S. nat. Mus., 108:219-67
 A revision of the eels of the genus
Conger with descriptions of four new
 species

Redefines the genus & describes
 14 spp. with 2 sub-spp. The
Leptocephalus larvae referred to the
 genus were excluded from the study.

HR:hr

M

580839
 (Card 2)
 & the marketing of the landed cod;
 other chapters deal with ICNAF & with
 the Portuguese work carried out
 within the frame of ICNAF. Special
 chapters deal with the development of
 the cod-fishing brought up to date &
 with plans for future development.

:icnaf

M

Webb, J.E. (1958) 585800
Phil. Trans., 241B:307-18
 The ecology of Lagos Lagoon - I.
 The lagoons of the Guinea coast

The distribution of lagoons of the
 Guinea coast of West Africa is
 discussed in relation to various
 factors.

:wpa

MF

Forward References

Check list, 59-4501 - 59-5676

59-5166	to	59-5165
59-4774	"	582527
59-5171	"	59-5170
59-5165	"	584514
59-5178	"	581501
59-5191	"	59-1827
59-5164	"	59-5163
59-5172	"	59-1414
59-4847	"	583144

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	4336			
Parathunnus			4125	4126
THUNNIFORMES		3525	3648	3772
	3947	3955	3966	3975
	3977	3978	3970	4001
	4208	4210	4214	4380
Thunnus thynnus				3934
1,81 Arctiscus				4116
Cynoglossus			3469	4017
Glyptocephalus				4183
Hippoglossoides				4183
Limanda limanda	3525	3566	3567	
	3568	3586		
Paralichthys				4116
Pleuronectes flesus		3525	3587	
Pleuronectes platessa		3525	3539	
	3561	to	3565	4498
Scophthalmus				4307
Solea			3571	4017
1,82 Balistes				4174
Rudarius				4315
Stephanolepis				4315
Triacanthus				4017

1,93	Opsanus	3783	3353	2,10 (continued)		
1,95	Antennarius		4020	LERNAEIDAE		4477
	Lophius	3843	3877	LERNAEOPODIDAE		4477
1,99	FISHES, MISC.	3377	3378	3383	Lerneocera	3482
	3401	3402	3436	3445	Limnocalanus	4271
	3446	3463	3487	3504	Mytilicola	3525 3656
	3505	3511	3512	3513	Nitocra	3992
	3519	3525	3542	3543	Parathalestris	3992
	3572	3573	3574	3585	Rhincalanus	3499
	3588	3664	3666	3700	SPHYRIIDAE	4477
	3702	3703	3704	3707	Vanbenedenia	4471
	3708	3712	3713	3722	2,12 CIRRIPIEDIA	3740
	3729	3732	3880	3897	2,13 Lepas	4428
	3912	3914	3916	3927	Mitella	4428
	3938	3944	3948	3984	THORACICA	4184
	4014	4015	4014	4049	2,16 Sacculina	4156
	4063	4069	4086	4088	2,20 MYSIDAE	4177
	4190	4199	4200	4215	Mysis	3735
	4220	4227	4263	4266	Paramysis	3430
	4268	4287	4288	4310	2,22 TANAIDACEA	4295
	4321	4359	4391	4393	2,23 Cyathura	3830 4232
	4402	4403	4426	4430	Idotea	4384 4484
	4452	4462	4472	4480	Limnoria	3361
	4482	4496			Mesidotea	3411 4271
2,00	CRUSTACEANS, GEN.	3380	3400	2,24 AMPHIPODA		3419
	3467	3471	3525	3556	Gammaracanthus	4271
	to	3559	3581	3582	Pallasea	4271
	3583	3763	3773	4040	Pontoporeia	3735 4271
	4060	4079	4183	4259	2,28 ALPHEIDAE	3901
	4270	4379	4385	4387	Alpheus	3520 3524
	4395	4406	4497		Anchistus	3520
2,02	Artemia		4234	Crangon	3525 3650	3923
	Streptocephalus		3659	Leander	3520	3923
2,05	Bosmina		4400	NATANTIA	3518 3714	3965 3972
	Daphnia		4479		4044 4218	4222 4296
2,08	Cypridina	3726	3811	3817	Palaemonetes	3840 3841 3842
2,09	COPEPODA	3448	4329		Penaeus	3521 4429
2,10	Amphiascus		3992		PENAEIDAE	3770 4194
	ARGULIDAE		4477	2,29 Astacoides		3509
	Calanus		4079	Astacus		4431
	CALIGIDAE		4477	Calcinus		3403
	Cardiodectes		4316	Callinectes		3941
	CHONDRACANTHIDAE		4477	Cambarellus		4291
	Congericola		3875	Cancer	3938	4181
	DICHELESTIIDAE		4477	Carcinus	4158 4382	4383
	ERGASILIDAE		4477	Chlorodiella		3520
	Heterolaophonte		3992			
	Laophonte		3992			

2 29 (continued)

<i>Cycloxanthops</i>				4414
<i>Eriocheir</i>				4055
<i>Eucrete</i>				3520
<i>Gecarcinus</i>				3784
<i>Geniopsis</i>				3784
<i>Homarus</i>	3800	3307	3946	4261
	4265			
<i>Hydrotelphusa</i>				3509
<i>Jasus</i>		3988		4296
<i>Libinia</i>				3858
<i>Maja</i>				4382
<i>Menippe</i>				3520
PALINURIDAE				4217
<i>Palinurus</i>				4471
<i>Panulirus</i>				3523
<i>Pilumnus</i>				3520
<i>Pinnotheres</i>				3520
<i>Pisa</i>				4382
PORCELLANIDAE				4476
<i>Telphusa</i>				3509
<i>Tetralia</i>				4441
<i>Uca</i>	3789	3832	3869	3870
	3871			
<i>Upogebia</i>				4471

2,99	CRUSTACEANS, MISC.	3378	3393	
		3401	3402	3436
		3446	3487	3501
		3649	3700	3702
		3704	3712	3713
		3927	3944	4015
		4068	4069	4086
		4215	4221	4227
		4263	4266	4268
		4402	4403	4427
		4482	4496	4480

3,00	MOLLUSCS, GEN.	3380	3400	3467
		3471	3525	3556
		3559	3581	3582
		3763	3778	4060
		4183	4259	4270
		4385	4387	4395
		4497		4406

3,07	<i>Nassarius</i>			3814
	<i>Trochus</i>			3410

3,09	<i>Busycon</i>			4038
	<i>Conus</i>			3900
	<i>Fasciola</i>			4444
	<i>Ilyanassa</i>	3826		3833
	<i>Rapana</i>			4339
	<i>Thais</i>			4339

3,09 (continued)

<i>Tritonalia</i>				4339
<i>Urosalpinx</i>				3667

3,10	<i>Firoloida</i>			3500
	<i>Littorina</i>			4377
	<i>Pterotrachea</i>			3500
	<i>Strombus</i>			4038

3,11	<i>Aplysia</i>	3404	3422	3474
	LIMAPONTIIDAE			3447

3,13	<i>Limnaea</i>			4444
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3,15	PLECYPODA	3756	3940	4182
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3,16	<i>Crassostrea</i>	3488	3791	3894
		3935	4175	4377
	<i>Gryphaea</i>			3525
	<i>Mytilus</i>	3397	3525	3654
		3656	4360	4377
	<i>Ostrea</i>	3397	3525	3596
		3652	3653	3949
		4012	4175	4204
		4207		4205

PECTINIDAE			3917	4172
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<i>Pinctada</i>	3908	3911	3968	4002
	4269	4322	4325	

<i>Placopecten</i>				4377
<i>Pteria</i>			3906	4117

3,17	<i>Cardium</i>			3437
	<i>Mactra</i>			3815
	<i>Meretrix</i>			4329
	<i>Mya</i>		4066	4377
	<i>Spisula</i>	3797	3799	3849
		3878	4377	3859

<i>Tapes</i>				4329
<i>Teredo</i>				3738
<i>Venus</i>			4292	4377

3,19	CEPHALOPODA			3480
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3,21	<i>Abralia</i>			3480
	DIDRANCHIA	3440	3804	3820
	<i>Illex</i>			4377
	<i>Loligo</i>	3516	4156	4306
	<i>Octopus</i>			3382
	<i>Selenoteuthis</i>			3480
	<i>Sepia</i>			4307

3,99	MOLLUSCS, MISC.	3393	3402	
		3436	3439	3446
		3489	3501	3525
		3703	3704	3712
				3713

3,99	MOLLUSCS, MISC. (continued)					5,35	Hydrophis		3491
	3722	3927	4015	4069					
	4086	4215	4261	4268		5,49	REPTILES, MISC.	4359	4458
	4272	4288	4402	4403					
	4480	4482	4496			5,50	BIRDS, GEN.		3380
4,00	MAMMALS, GEN.			3380		5,62	SULIDAE		3681
4,06	Callorhinus			3958		5,64	Olor		4489
	Hydrurga			3928		5,93	POGONOPHORA	3691	4475
	Lobodon	3435		3928					
	Mirounga			3928		5,96	Amaroucium	3810	3861
	Ommatophoca			3928			ASCIDIACEA		3687
	Phoca			4271			Botryllus	3686	3810
	PINNIPEDIA	3959		4390			Ciona	3810	4011
	Zalophus	4213		4271			Molgula		3810
							Perophora		3810
4,16	Ondatra			3370					
4,21	CETACEA	3907	3909	3930	to	5,97	Cyclosalpa		3472
		3933	3964	4389			Doliolina		3472
							Doliopsoides		3472
4,22	Delphinus			3490		5,98	CHORDATA, GEN .		3380
	Inia			3881					
	Mesoplodon			4326		6,00	PROTOZOA		3928
	Neomeris			3490					
	Physeter			3733		6,03	Tetrahymena		3846
4,23	Balaenoptera physalus	3490		4433		6,06	Eimeria		4173
	4453						Myxolobus		4173
4,97	MAMMALS, AQUATIC			4359		6,07	Nosema		4173
							Plistophora		4173
5,00	AMPHIBIANS, GEN.		3380	4421		6,11	Blepharisma		4034
5,05	Ambystoma			4039			Paramaecium		3405
	Desmognathus			4036					4034
	Proteus	3692		3693		6,15	SPONGIIDAE		3385
	Triturus			4036					
5,07	SALIENTA			3892		6,16	COELENTERATA		4043
5,12	Rana			4155		6,17	Cladonema	3407	3431
							Cordylophora		3790
5,29	AMPHIBIANS, MISC.	4359		4458			Craspedacusta		4419
							Hydra	3412	3515
5,30	REPTILES, GEN.			3380			Octophialucium		4471
							Physalia	3785	3816
5,31	Caretta			3477			Tubularia	3515	3873
	Chelonia			3477		6,18	Cyanea		3684
	Chrysemys			4019					
	Clemmys			4032		6,19	Amphelia		4471
	Eretmochelys			3477			Anthelia		4471
	Lepidochelys			3477			ANTHOZOA		4412

6,19	(continued)			6,66	INSECTA	3504	3505	3604	4183
	CORALIIDAE		4184						
	Lophelia		4171	6,70	CORIXIDAE				4153
	Stoichactis		4035	6,77	Aedes				4042
6,21	Mnemiopsis		3812	6,89	ECHINODERMATA				3501
6,24	Cura		4033	6,91	Asterias			3831	3555
6,26	Gyrodactylus		4159		Asterina				4372
6,27	DIGENA	3470	4155		ASTEROIDEA			3878	4205
	Gymnophallus		3736		Pisaster				4372
	Opisthorchis		4250	6,92	Amphiura				4271
	Parvatrema		3738	6,93	Arbacia	3796	3813	3818	3519
	Schistosoma		4151			3823	3837	3838	3539
6,30	Dibothriocephalus		3893			3844	3848	3850	3852
						3862	3863	3879	4122
6,33	Ascaris		3898		Echinarachnius				3801
	MERMITHIDAE		3373		ECHINOIDEA				3424
	Procamallanus		3774		Paracentrotus				3822
					Strongylocentrotus				4171
6,37	ROTATORIA		3928	6,94	Holothuria				3828
6,40	BRYOZOA		4115	6,97	INVERTEBRATES, AQUATIC				3400
6,42	Membranipora		3639			3467	3471	3501	3525
6,44	Phoronis		3891			3556	to	3559	3581
6,45	CHAETOGNATHA		3495			3582	3583	3763	3778
	Eukrohnia		3461			3822	4060	4079	4183
	Krohnitta		3461			4255	4259	4385	4387
	Pterosagitta		3461	6,98	INVERTEBRATES, GEN.				3685
	Sagitta	3461	3498	6,99	INVERTEBRATES, MISC.				3372
6,48	POLYCHAETA		3734			3439	3682		3393
6,49	Nereis	3845	4174	7,00	ALGAE, GEN.		3400	3418	3467
	Palola		3902			3471	3525	3556	3557
	Platynereis		4174			3593	4063	4073	4074
6,50	Chaetopterus	3815	3860			4079	4183	4292	4311
	Cistenides		3874			4313	4329	4337	4337
	Heteromastus		3780			4395	4396		
	Hydroides	3795	3834	7,01	CHLOROPHYCEAE				4314
	Sabella		3515	7,06	Ulva				3492
	Scyphoproctus		3767	7,11	Acrosiphonia				4161
6,51	Branchiura		3381		Spongomorpha				4161
6,52	Phascolosoma	3824	3868	7,17	Codium				4046
	Urechis		3762		Vaucheria				3825
6,56	Limulus	3723	3821						

7,41	BACILLARIOPHYCEAE	3390	3787	4298	9,99	HIGHER PLANTS, MISC.	3388
7,63	Exuviella			4072			
7,66	Gonyaulax			4037			
7,67	Ceratium			4075			
	Peridinium			4071			
7,70	Euglena			4329			
7,71	PHAEOPHYCEAE			4314			
7,77	Laminaria	3492	3882	4076			
	Undaria			4335			
7,80	Fucus		3827	4293			
	Sargassum			3492			
	Turbinaria			3492			
7,81	RHODOPHYCEAE		3502	4314			
7,82	Porphyra	3492	4140	4317			
7,87	Hypnea			3492			
7,89	Gulsonia			3764			
7,91	MYXOPHYCEAE			3670			
7,95	Nostoc			3492			
7,99	ALGAE, MISC.	3364	3384	3391			
		3392	3396	3502	4070		
8,00	FUNGI, GEN.			4406			
8,01	Bacillus			4162			
	BACTERIA	3408	3638	4058	4411		
		4427					
	Micrococcus			4162			
	Pseudomonas		4165	4449			
	Vibrio			3749			
8,37	SAPROLEGINALES			3444			
8,93	Chloromyxum			4173			
8,99	FUNGI, MISC.		3476	3667			
9,18	Equisetum			4293			
9,44	Eichhornia			4388			
9,97	HIGHER PLANTS, AQUATIC	3364	3391				
		3392	4432				

100	AFRICA				
113	Morocco	3595	4496		
114	Sp. Possessions in N. Africa				
				4214	
121	Libya			4226	
122	UAR, Southern Region (Egypt)				
				4388	
123	Sudan			4388	
125	Ethiopia			4388	
128	Somalia			3982	
131	Kenya			4455	
133	Tanganyika			4373	
141	Fr.W. Africa			4214	
142	Cape Verde Is.			4272	
142	Port. Guinea			4214	
143	Liberia			4214	
144	Gambia			4214	
144	Sierra Leone			4214	
144	Ghana			4214	
144	Br. Togoland			4214	
144	Fr. Togoland			4214	
145	Nigeria			4214	
145	Br. Cameroons			4214	
147	Belg. Congo			4014	
154	Union of S. Africa	3461	3747		
		3895	3920	3983	3984
		4229	4305	4313	
156	Madagascar			3509	
200	NORTH AMERICA				
210	<u>Canada</u>	3891	3927	3970	4086
		4179	4183	4186	4196
		4218	4219	4261	4263
		4310	4377	4432	4458
212	British Columbia			4185	4394
		4434			
213	Saskatchewan			3893	
216	Newfoundland			4262	4309
216	Labrador				3537
217	New Brunswick	4012	4013	4265	
217	Nova Scotia			4012	4177
220	<u>USA (Alaska)</u>	4189	4295	4367	
222	Aleutian Is.			4077	4078
230	<u>USA</u>	3723	3891	3956	3972
		4230	4432	4458	
230	USA, District of			3750	4193
	Columbia	4211			
231	Washington State			3719	4065
		4297	4372		
231	Oregon			4212	4297
231	Idaho				4374
232	California	3474	3662	3678	
		3765	3768	3786	3937
		3938	3939	4093	4190

232	California (cont'd)	4191	4192		
		4213	4297	4372	4375
		4414	4435	to	4438
232	Utah				3757
233	Wyoming				4439
234	Wisconsin				4440
235	Texas				4417
235	Louisiana				4429
236	USA, New England	3721	3722		
		3934	3946	4200	
236	Massachusetts	3401	3830	3875	
237	USA, Middle Atlantic States				
			3721	3722	
237	New York	3787	3949	4201	
237	Maryland		4066	4304	
237	Pennsylvania			4500	
238	USA, S. Atlantic States				
			3721	3722	
238	N. Carolina			3896	
238	S. Carolina			3954	
238	Florida	3477	4194	4359	4393
240	<u>Bermudas</u>			3825	4092
250	<u>Greenland</u>	3535	3599	3602	
300	LATIN AMERICA				
311	Mexico			4023	4417
313	El Salvador				4486
314	Costa Rica				4220
316	Nicaragua				4044
317	Honduras				4044
321	Br.W. Indies			4393	4412
321	Bahamas			4021	4393
322	Cuba				3972
331	Colombia				4044
332	Venezuela				4044
341	Ecuador				4028
342	Peru			3981	4026
343	Chile	3494	to	3502	3971
351	Brazil			3881	4363
353	Argentina				3920
356	Paraguay				3914
400	ASIA				
411	UAR, Northern Region (Syria)				
					3912
413	Israel				3977
416	Iraq				3976
417	Iran			3774	4222
421	Pakistan	3980	4444	4445	
423	India	3463	3468	3493	3519
		3520	3524	3905	3906
		3996	to	4002	4004
		4005	4007	4008	4009
		4015	4402	4403	4473

431	Burma			3680	541	Portugal			4442
434	Indonesia	3916	3919	3975	542	Spain		3449	4452
435	New Guinea			4364	543	Italy	3396	3397	3408
438	Vietnam			3403			4069	4423	4479
441	Chinese People's Republic				555	Romania	3365	to	3370
			4223	4361	556	Turkey			4425
442	Hong Kong	3482	to	3492	561	Germany	3584	3590	4068
		3769			561	Federal Republic of Germany			4491
451	Japan	3418	3419	3431			3432	3543	3573
		3964	3979	4046			3604	3606	3608
		4115	4137	4138			3616	3619	to
		4224	4276	to			3635	3637	3995
		4287	4316	4319	572	Poland		3580	3611
		4322	4326	4332	573	Czechoslovakia			4446
		4339		4337	574	Hungary			4385
453	Formosa		4462	4463					
				4464	600	OCEANIA			
500	EUROPE			4271					
				4470	610	<u>Australia</u>	3518	3907	3908
511	Denmark	3562	3570	3576			3909	3911	3920
	to	3588	3600	3601			3966	3988	4217
		3776	4174	4221			4268	4269	4289
512	Faroe Is.		3599	3617	612	Western Australia			3968
513	Iceland	3532	3539	3540	615	New S. Wales			3770
		3606	3613	3614	617	Tasmania			3967
		3625	3626	3627	620	<u>New Guinea Trust Territory</u>			
514	Norway	3609	3610	3615				3910	4364
		3624	3699	3702	621	N.E. New Guinea			4364
		3706	3714	3715	630	<u>New Zealand</u>		3679	3763
		3964	4050	4073	650	<u>Line Is.</u>			4208
		4174	4227	4396	660	<u>USA (Hawaian Is.)</u>		3662	3766
515	Svarlbard			3707			3900	3901	4209
515	Bear I.			3712	673	Caroline Is.		4125	4126
515	Jan Meyen			3710	674	Marshall Is.		4125	4126
516	Sweden	3555	3574	3579	682	New Caledonia			4454
		4378		4228	684	Fiji Is.			3973
517	Finland	4050	4055	4397					
		4399		4398	700	USSR	3727	3740	3926
521	Netherlands						3964	3985	3959
		3402	3639	3650					
		3652	3653	3655	710	<u>Russian FSSR</u>	3392	3612	3732
		3930	3931	3964			3735	3742	4255
522	Belgium			3640	751	Ukrainian SSR			3372
524	France	3430	3596	3597	772	Uzbek SSR			3456
		3889	3974	4232					
532	UK			3557	800	SPECIAL INTERCONTINENTAL			
533	England	3374	3561	3571		REGIONAL GROUPINGS			
		3607	3636	3651					
		3964	4159	4369	817	Tropics			3361
		4467			820	<u>Antarctic Continent</u>			3932
533	Wales			3453					
534	Scotland	3538	3541	3542	A	ATLANTIC OCEAN	3512	4283	4389
		3549	3556	3572					
		3618	3632	3633	A	<u>Atlantic, N.</u>	3433	3527	3528
		4167	4170	4172			3532	3533	3534
535	Northern Ireland		3991	to			3538	3540	to
		3994							3543

A	Atlantic, N. (cont'd)	3598		
	3613 3614 3630	3729		
	3888 3920 3947	3948		
	3969 4171 4202	4495		
ANW	Atlantic, N.W.	4085 4183 4260		
	4308			
ANW.02	Davis Strait	3537		
ANW.04	G. of St. Lawrence	3925 4295		
ANW.06	Chosapeake B.	3941 3950 4204		
	4206 4489			
ANE	Atlantic, N.E.	3437 3544 3545		
	3548 3549 3553 3554			
ANE.01	White Sea	3439 3734 3737		
ANE.02	Barents Sea	3529 3708 3709		
	3737			
ANE.04	North Sea	3512 3547 3550		
	3551 3552 3560 3566			
	3618 3619 3622 3631			
	to 3642 3671 3697			
	to 3700 3711 4168			
	4498			
ANE.05	Baltic Sea	3378 3514 3555		
	3575 to 3590 3611			
	3612 3643 to 3646			
	3899 4087 4089			
ANE.07	G. of Finland	4088		
ANE.09	Irish Sea	3546		
ANE.10	Norwegian Sea	3530 3531 3629		
AS	Atlantic, S.	3933		
ASW	Atlantic, S.W.	3480 4085 4366		
	4390			
ASW.01	G. of Mexico	3944 4270		
ASW.02	Caribbean Sea	3479		
ASE	Atlantic, S.E.	3591 to 3594		
	4231			
ASE.02	Mediterranean Sea	3738 4231		
	4384 4465			
ASE.03	Mediterranean Sea, Western	4381 4480		
ASE.04	Thyrranian Sea	4478		
ASE.05	Mediterranean Sea, Eastern	4059		
	4062 4381 4480 4482			
ASE.10	Black Sea	3362 3448 3738		
	4058 4407			
ASE.11	Sea of Azov	3362		
I	INDOPACIFIC OCEAN	3470 3472		
	4283			
IN	Pacific, N.	3398 3399 3400		
	3958 4080 4101 4139			
	4157 4188 4224 4282			
	4288 4298			
IN.01	Japan Sea	3442 4045 4079		
	4113 4127 4128			

IN.02	Sea of Okhotsk	3388 3390		
IN.03	Bering Sea	4077 4078 4079		
IS	<u>Tropical Indopacific</u>	3720 3773		
	3960 4188 4225			
ISW	Indian Ocean	3385 4124 4283		
	4288 4294 4336 4408			
ISW.06	B. of Bengal	3980 4003		
ISEW	Indopacific, Central	4210 4288		
	4499			
ISEW.04	E. China Sea	4102		
ISEW.05	Yellow Sea	4102		
ISEW.14	Arafura Sea	4364		
ISE	Pacific, S.E.	3951 3952		
P	POLAR SEAS			
PN	<u>Arctic Ocean</u>	4411 4468		
PS	<u>Southern Ocean</u>	3733 4405		
PSE.01	Great Australian Bight	4266		
L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS			
L.21	<u>American Great Lakes</u>	3774 3942		
	3943 3957 4195 4197			
	to 4200			
L.72	<u>Caspian Sea</u>	3391 3731		
L.75	<u>L. Baikal</u>	3728		

Canada. Dominion Bureau of Statistics (1958) 59-4501
Ottawa, 34 p.
Fisheries statistics of Canada (Canada summary) 1956. En Fr

Yearly production - quantities & values - by spp., region, type of craft & gear, type of product; inventory & operations of equipment; employment, processing, trade, bounties paid.

FAO:sjh

MF

F

Canada. Dominion Bureau of Statistics (1959) 59-4502
Ottawa, 20 p.
Fisheries statistics of Canada (British Columbia) 1957. En Fr

Yearly landings - quantities & values - by spp., region, type of craft & gear; inventory & operations of equipment; employment, processing, trade, bounties paid.

FAO:sjh

MF

M

Denzer, H.W. (1957) 59-4503
Landesanstalt für Fischerei des Landes Nordrhein-Westfalen, 16 p.
Merkblatt für die Elektrofischerei in Binnengewässern (Instruction manual for electro-fishing in inland waters)

Operating instructions & suggestions to fishermen for use of the apparatus.

GLK:efa

F

M

Dorris, T.C. (1958) 59-4504
Amer.Midl.Nat., 59(1):82-110
Limnology of the middle Mississippi river and adjacent waters. Lakes on the leeved floodplain

Sleptsov, M.M. (1957) 59-4505
Transl.Ser.Fish.Res.Bd Can., (149):1-6
New information concerning the reproduction of far-eastern pinnipeds

Chapsky, K.K. (1958) 59-4506
Transl.Ser.Fish.Res.Bd Can., (174):1-26
Contribution to the problem of the history of development of the Caspian and Baikal seals

Flyger, V.F. (1958) 59-4507
J.Wildl.Mgmt, 22:442-3
Tooth impressions as an aid in the
determination of age in deer

G

Kawamoto, N.Y. (1958) 59-4510
Rep.Fac.Fish.Univ.Mie-Tsu, 3(1):104-21
Fresh water fish culture from the
physiological point of view - I.

F

Rass, T.S. (1957) 59-4508
Transl.Ser.Fish.Res.Bd Can., (143):1-14
New fishing areas and new species for
the fishing industry in far-eastern
seas

M

Cole, G.A. (1957) 59-4511
Trans.Ky Acad.Sci., 18(4):88-101
Studies on a Kentucky knobs lake - III.
Some qualitative aspects of the net
plankton

F

Pikharev, G.A. (1957) 59-4509
Transl.Ser.Fish.Res.Bd Can., (150):1-3
The food of the seal Phoca hispida

M

Berry, F.H. (1958) 59-4512
J.Fla Acad.Sci., 21(2) 190-1
Additions to the fishes of Cedar Key,
Florida and a list of Gulf of Mexico
Carangidae

M

Van Alten, P.J. & 59-4513
 R.A. Fennell (1957)
Anat.Rec., 127(4):677-96
 Histogenesis and histochemistry of the
 digestive tract of chick embryos

G

Oliva, O. (1958) 59-4516
Acta Univ.Carolinae, Biol., 5(1):33-48
Některé zkusebnosti se znacením a
znakováním ryb (Some results
 with fish marking). En Ru Cs

MF

Das, S.M. & 59-4514
 D.B. Saxena (1958)
Proc.nat.Acad.Sci.India, 28B(11):108-15
 Stages of transition in the afferent
 branchial arteries from fish to
 amphibian stage: a case of parallel
 evolution

F

Gelineo, S. (1957) 59-4517
C.R.Soc.Biol., Paris, 151(6):1239
Activité spontanée des poissons de mer
et consommation d'oxygène à la
température d'adaptation de 12°5C
 (Spontaneous activity in sea fishes
 and oxygen consumption at the
 temperature of 12°5C)

M

Oliva, O. (1958) 59-4515
Mém.Soc.zool.tchécosl., 22(2):111-2
 (On the sea lamprey (Petromyzon
marinus L.) from the river Elbe near
 of Decin). Cs

MF

Hasler, A.D. & 59-4518
 W.J. Wisby (1958)
Wis.Conserv.Bull., 23(3):1-5
 Perch and lake research on Mendota

F

Mitani, F. (1958) 59-4519
Jap.J.Ecol., 8(1):7-11
 Studies on the maturity and spawning
 of the yellow tail, Seriola quinque-
radiata T. & S., found in the Japanese
 waters and their adjacent regions - I.
 Bilateral asymmetry of gonad and
 maturity grade

M

Anonymous (1958) 59-4522
Dep.sci.industr.Research, no. 2:1-4
 Notes on water pollution

MF

Anonymous (1958) 59-4520
Ont.Dep.Lands Forests, Fish & Wildl.
Div., mimeo, 7 p.
 Lake trout statistics for Canadian
 waters of Lake Superior and Georgian
 Bay

F

Hart, J.L. (1958) 59-4523
Ottawa, 35 p.
Fisheries Research Board of Canada
Biological Station, St. Andrews, N.B.
 1908-1950 - Fifty years of research
 in aquatic biology

History of the laboratory, brief
 account of the research conducted
 there.

CLK:sjh

MF

Yamamoto, K. (1957) 59-4521
J.Fac.Sci.Hokkaido Univ., (Zool.),
 13(1-4):344-51
 Studies on the formation of fish eggs -
 XI. The formation of a continuous mass
 of yolk and the chemical nature of
 lipids contained in it in the oocyte
 of the flounder, Liopsetta obscura

M

Pfitzer, D.W. (1958) 59-4524
Reservoir Committee, Southern Div.,
Am.Fish.Soc., 1-23
 Reservoir and tailwater bibliography
 with special reference to the South-
 eastern United States

F

Remn, C.E. (1957) 59-4525
Publ.nat.Acad.Sci., Washington D.C.,
(551):26-7

Physical and chemical properties of
wastes produced by atomic power
industry

Contents as per title.

FiB:tl

C

Wooster, W.S. & 59-4528
B.H. Ketchum (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):43-51

Transport and dispersal of radioactive
elements in the sea

Summary description of the surface &
deep-sea circulations, exchange
between the surface intermediate &
deep waters & exchange between the
coastal & offshore waters.

FiB:tl

M

Folsom, T.R. & 59-4526
J.H. Harley (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):28-33

Comparison of some natural radiations
received by selected organisms

Quantitative consideration of natural
radiation received by organisms from
cosmic rays, external sources - rocks,
water, etc. - & internal sources - e.g.
potassium in tones-; comparison of
natural doses in several domains.

FiB:tl

HF

Ketchum, B.H. (1957) 59-4529
Publ.nat.Acad.Sci., Washington, D.C.,
(551):52-9

The effects of the ecological system
on the transport of elements in the
sea

Summary on distribution of the
biomasses of marine populations,
biological annual cycles &
migrations of populations. Emphasis
on the cycles of nutrient elements
in the sea.

FiB:tl

M

Craig, H. (1957) 59-4527
Publ.nat.Acad.Sci., Washington, D.C.,
(551):34-42

Disposal of radioactive wastes in the
ocean: the fission product spectrum in
the sea as a function of time and
mixing characteristics

Attempt to construct a detailed
quantitative picture of the fission
product spectrum in the ocean in steady
state with a given fission rate with
special consideration of the
distribution of fission products
between the deep sea & the mixed layer.

FiB:tl

M

Carritt, D.E. & 59-4530
J.H. Harley (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):60-8

Precipitation of fission product
elements on the ocean bottom by
physical, chemical and biological
processes

Discussion of sedimentation & geo-
chemical processes in sea water & in
sediments, & the extent to which these
processes affect the removal of
activity to the bottom.

FiB:tl

M

Krumholz, L.A., E.D. Goldberg 59-4531
& H. Boroughs (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):69-79

Ecological factors involved in the uptake, accumulation, and loss of radionuclides by aquatic organisms

Summary on physical & chemical environmental factors in the sea; metabolic processes in organisms & the influence of environmental & biological processes on metabolism; aspects of accumulation of radionuclides through the ecosystem.

FiB:tl

H

Craig, H. (1957) 59-4534
Publ.nat.Acad.Sci., Washington, D.C.,
(551):103-20

Isotopic tracer techniques for measurement of physical processes in the sea and the atmosphere

Distribution of naturally occurring radioactive isotopes, contribution of radioisotopes to the geosphere by man & discussion of the possible use of radioisotopes in tracer techniques to study of physical processes in the sea & atmosphere.

FiB:tl

M

Krumholz, L.A. & 59-4532
R.F. Foster (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):88-95

Accumulation and retention of radioactive activity from fission products and other radiomaterials by fresh-water organisms

General concept of concentration factors of elements, concentrations of radioactive elements in different organisms & their variations with season, age & growth.

FiB:tl

F

Folsom, T.R. & 59-4535
A.C. Vine (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):121-32

On the tagging of water masses for the study of physical processes in the oceans

Description of the hazards & difficulties involved in the deliberate tagging of ocean waters by radioactive substances & outline for several possible investigation procedures.

FiB:tl

M

Donaldson, L.R. & 59-4533
R.F. Foster (1957)
Publ.nat.Acad.Sci., Washington, D.C.,
(551):96-102

Effects of radiation on aquatic organisms

Description of somatic & somatogenic effects of ionizing radiation on various aquatic organisms used in the experiments.

FiB:tl

MF

Holm-Hansen, O. & al. (1959) 59-4536
J.exp.Bot., 10(28):109-24
Effects of mineral salts on short-term incorporation of carbon dioxide in Chlorella

The effects of various mineral salts have been studied, both singly & in combination, on the uptake & distribution of photosynthetically incorporated carbon-14 in Chlorella.

FAO:ohh

F

Bieri, R. (1959) 59-4537
Limnol.Oceanogr., 4(1):1-28
The distribution of the planktonic
Chaetognatha in the Pacific and their
relationship to the water masses

The geographic extents of 27 spp. of
Chaetognatha in the Pacific have been
inferred from analyses of 2,900
plankton samples taken at more than
900 stations, & their distribution
in relation to various water masses
is discussed.

HR:rb

M

Crandall, C.A. & 59-4540
C.J. Goodnight (1959)
Limnol.Oceanogr., 4(1):53-6
The effect of various factors on the
toxicity of sodium pentachlorophenate
to fish

Determination of medium tolerance
limit & study of the effects of pH &
temperature on the toxicity of sodium
pentachlorophenate on fat head
minnow, Pimephales promelas.

HR:tl

F

Farris, D.A. (1959) 59-4538
Limnol.Oceanogr., 4(1):29-36
A change in the early growth rates of
four larval marine fishes

The growth curves - age on length -
of 4 widely diversified spp. of fish
larvae, Sardinops caerulea, Pleuro
nichthys verticalis, Tetragonurus
cuvieri, & Trachurus symmetricus, were
analysed. The effect of non-
logarithmic growth on estimates of
larval survival is discussed.

HR:daf

M

Lund, J.W.G. (1959) 59-4541
Limnol.Oceanogr., 4(1):57-65
A simple counting chamber for
nannoplankton

Description of the counting chamber,
its use & accuracy.

HR:tl

F

Comita, G.W. & 59-4539
G.C. Anderson (1959)
Limnol.Oceanogr., 4(1):37-52
The seasonal development of a
population of Diaptomus ashlandi Marsh,
and related phytoplankton cycles in
lake Washington

Description of physical, chemical
conditions & phytoplankton cycle in the
lake, & detailed study of the life
history & seasonal cycle of the
copepod Diaptomus ashlandi.

HR:tl

F

Curl, H., Jr. (1959) 59-4542
Limnol.Oceanogr., 4(1):66-76
The origin and distribution of
phosphorus in western lake Erie

Study of the supply of phosphorus
by river waters, its distribution in
the lake; bio- & geochemical processes
affecting the phosphorus cycle &
amounts of phosphorus removed as fish.

HR:tl

F

Bardach, J.E. (1959) 59-4543
Limnol.Oceanogr., 4(1):77-85
The summer standing crop of fish on a
shallow Bermuda reef

Estimation of the standing crop of reef
fishes by visual counts; taxonomic
lists of spp. found, their approximate
size & quantities. Estimates of the
productivity of the reef.

HR:tl

Tyler, J.E. (1959) 59-4546
Limnol.Oceanogr., 4(1):102-5
Natural water as a monochromator

Analyses of the errors introduced
into the measured optical constants
of natural water by light "leakage"
outside the stated band of filters.
Methods for avoiding this error
are suggested.

HR:tl

MF

Murphy, G.I. (1959) 59-4544
Limnol.Oceanogr., 4(1):86-93
Effect of water clarity on albacore
catches

Determination of the relations between
the catches of albacore, Germo alalunga,
with gill-nets & troll, & the extinction
coefficient of light in the water.
Discussion on the turbidity as an
ecological factor for sight feeders.

HR:tl

II

Kuehn, J.H. & D.Lovellien (1959) 59-4547
Conserv.Bull.Minn., 22(128):23-8
A map starts fish management

A popular account of how & why
bathymetric maps of Minnesota lakes
are made using a fathometer.

WAD:wad

F

Dietz, R.S. (1959) 59-4545
Limnol.Oceanogr., 4(1):94-101
1100-meter dive in the bathyscaph
TRIESTE

Description of the dive in Mediterranean
& observations made during this dive.

HR:tl

II

Dobie, J. (1959) 59-4548
Conserv.Bull.Minn., 22(128):34-6
The bait business for fishing

A popular article on the bait
"minnow" industry in Minnesota.

WAD:wad

F

Webb, F.E. (1959) 59-4549
Canad. Fish Cult., (24):3-16
Aerial chemical control of forest
insects with reference to the Canadian
situation

A review of the question which
discusses methods, effects on the pests,
associated insect populations, the
forest, fish & wildlife.

WAD:wad

F

Alderdice, D.F. & 59-4552
M.E. Worthington (1959)
Canad. Fish Cult., (24):41-8
Toxicity of a DDT forest spray to
young salmon

Summarizes a series of laboratory
tests to determine the tolerance of a
"representative species" of Pacific
salmon, Oncorhynchus kisutch, to a
DDT formulation.

WAD:wad

MF

Keenleyside, M.H.A. (1959) 59-4550
Canad. Fish Cult., (24):17-22
Effects of spruce budworm control on
salmon and other fishes in New
Brunswick

Discusses the effect of DDT sprays
since 1952 on Salmo salar, Salvelinus
fontinalis, Anguilla, & Cyprinids.

WAD:wad

IIF

Seabloom, R.W. (1958) 59-4553
Spec. sci. Rep. U.S. Fish Wildl. Serv.,
(268):35 p.
Water quality studies in the Wenatchee
river basin

Describes methods & results of a
study made during 1954-56 of the
physical & chemical characteristics of
water in relation to environment to
provide a basis for comparison to
determine the effect of impoundment
on water quality & an evaluation of
the basin in relation to the
preservation of fish resources.

WAD:wad

F

Crouter, R.A. & 59-4551
E.H. Vernon (1959)
Canad. Fish Cult., (24):23-40
Effects of black-headed budworm control
on salmon and trout in British Columbia

Describes an aerial spraying program
with DDT, consequent damage to fish,
Oncorhynchus & Salmo, & fish food
populations, & results of bioassays to
determine safe formulations of the
spray for O. kisutch under-yearlings.

WAD:wad

MF

Gelineo, St. (1958) 59-4554
Inst. Physiol. Faculté Sciences, Univ.
Belgrade, 10-6
Activité des poissons de mer et
concentration d'hémoglobine
(Activity of sea fishes and hemoglobin
concentration)

M

U.S. Department of Agriculture 59-4555
 Agricultural Research Service (1959)
Agric. Handb., Wash., (116). 244 p.
 1958-59 - Workers in subjects
 pertaining to agriculture in land-grant
 colleges and experiment stations

Incl. names of workers on inland
 fisheries & related fields, but not
 thus classified. Lists by state,
 department within college, &
 alphabetical order of workers' names.

FiB:sjh

F

Friant, M. (1957) 59-4558
C.R. Acad. Sci., Paris, 244:236-8
 Un cerveau de foetus de Rorqual
 (Balaenoptera musculus L.)
 (A brain of a foetal Rorqual,
Balaenoptera musculus L.)

Account of general anatomic
 features.

FAO:glk

M

Germain, L. (1957) 59-4556
P. Lechevalier, Paris, 549 p.
 La faune des lacs, des étangs et des
 marais de l'Europe occidentale
 (The fauna of lakes, ponds and swamps
 of Western Europe)

A reference book containing introductory
 chapters on physical & biological
 limnology, & breeding & preservation of
 fresh water animals, followed by
 descriptions & notes on the biology of
 aquatic invertebrates, incl. crustaceans
 & molluscs, & vertebrates in general;
 fishes, amphibians, reptiles, birds, &

Molinier, R. & 59-4559
 J. Picard (1957)
C.R. Acad. Sci., Paris, 244:674-5
 Un nouveau type de plate-forme
 organogène dans l'étage mésolittoral
 sur les côtes de l'île de Majorque
 (Baléares) (A new type of organo-
 genic platform in the mesolittoral
 stage on the coast of the island of
 Majorca, Balearic)

Description of the formative
 communities & discussion of the
 processes.

FAO:glk

M

59-4556
 (Card 2)
 mammals. Reference to algae & aquatic
 plants is also made. (2nd revised ed.)

FAO:hr

HF

Priou, M.-L. (1957) 59-4560
C.R. Acad. Sci., Paris, 244:939-40
 Sur des formations argentophiles
 membranaires chez quelques Rhodo-
 phycées marines (On some
 membranous argentophil formations in
 some marine Rhodophyceae)

A technique of silver impregnation
 shows in some of these organisms
 constant argentophil intercellular
 membranous zones.

FAO:glk

M

Saint-Guily, B. (1957) 59-4561
C.R.Acad.Sci., Paris, 244:1528-9
 Les mouvements radiaux de Hamel
 lorsqu'il existe une force de Coriolis
 et la structure de certains courants
 océaniques (Hamel's radial
 movements in the presence of Corioli's
 force and the structure of certain
 oceanic currents)

These movements exist in the presence
 of a Corioli force of constant parameter
 or function of angular variable, & this
 parameter figures only in the relation
 giving pressure. Study of these

Weill-Raynal, A. (1957) 59-4564
C.R.Acad.Sci., Paris, 244:2100-2
 Origine des membranes de l'oeuf chez
Leander serratus (Pennant), crustacé
 décapode (Origin of the egg-
 membranes in Leander serratus Pennant,
 decapod crustacean)

Role of the ovary & oviduct,
 respectively, in the formation of
 internal & external membranes, &
 rejection of a role in this process
 for the pleopod cement glands.

FAO:glk

M

59-4561
 (Card 2)
 movements confirms the existence of
 counter-currents in the oceans,
 particularly in the Gulf Stream.

Pavans de Ceccatty, M. (1957) 59-4565
C.R.Acad.Sci., Paris, 244:2103-5
 La nature sécrétoire des lophocytes
 de l'éponge siliceuse Chondrosia
reniformis Nardo (The secretory
 nature of the lophocytes in the
 siliceous sponge Chondrosia reniformis
 Nardo)

Interpretation based on histological
 evidence.

FAO:glk

M

FAO:glk

M

Rivière, A. & 59-4563
 S. Vernhet (1957)
C.R.Acad.Sci., Paris, 244.2080-3
 Contribution à l'étude physicochimique
 de la sédimentation calcaire
 (Contribution to the physico-chemical
 study of calcareous sedimentation)

The alkaline reserve & the low pH of
 the low-salinity waters of littoral
 lagoons can be explained in terms of
 the law of mass action, permitting the
 interpretation of some hitherto
 unexplained observations. Discussion of
 the oceanographic implications.

FAO:glk

MF

Brochu, M. (1957) 59-4566
C.R.Acad.Sci., Paris, 244:2638-9
 Lacs de fonte de culot de glace dans
 les Appalaches (Lakes formed by
 the melting of residual ice, in the
 Appalachians)

Examination of the deposit at the
 exit & margin of these lakes leading
 to conclusion that it was formed by
 deposition of fluvio-glacial diluvium.

FAO:glk

F

Roque, M. (1957) 59-4567
C.R.Acad.Sci., Paris, 244:2657-60
 Ciliature somatique et ciliature
 buccale chez Disematostoma tetraedrica
 (Cilié Holotriche) (Somatic and
 buccal ciliary apparatus in Disemato-
stoma tetraedrica, holotrichous
 ciliate)

Histological study of this planktonic
 freshwater form.

FAO:glk

F

Tuzet, O. & 59-4570
 J. Paris (1957)
C.R.Acad.Sci., Paris, 244:3088-90
 Les lophocytes de l'éponge siliceuse
Tethya lyncurium Lamarck et leur
 évolution (The lophocytes of the
 siliceous sponge Tethya lyncurium
 Lamarck and their evolution)

Interpretation of histological
 evidence.

FAO:glk

M

Roques, M. (1957) 59-4568
C.R.Acad.Sci., Paris, 244:2849-51
 Stomatogenèse chez Disematostoma
tetraedrica (Cilié Holotriche)
 (Stomatogenesis in Disematostoma
tetraedrica, holotrichous ciliate)

Histological study of this planktonic
 freshwater form.

FAO:glk

F

Vantroys, L. (1957) 59-4571
C.R.Acad.Sci., Paris, 245:340
 La détermination des marées au-dessus
 des fonds océaniques (The
 determination of tides above oceanic
 bottoms)

Describes an analogue model for
 construction in an hydraulic
 laboratory to use bathymetric, tide
 generating forces, & hydrographic
 data.

FAO:glk

M

Tuzet, O., S. Sanchez 59-4569
 & M. Pavans de Ceccatty (1957)
C.R.Acad.Sci., Paris, 2962-4
 Données histologiques sur l'organisation
 neuro-endocrine de quelques mollusques
 gastéropodes (Histological data on
 the neuro-endocrine organization of
 some gastropod molluscs)

Contents as per title.

FAO:glk

M

Gayral, P. (1957) 59-4572
C.R.Acad.Sci., Paris, 245:358-60
 Résultats d'une prospection
 algologique à l'île de Mogador
 (Results of algological prospecting on
 the island of Mogador)

Description of the zonation & note of
 a new record.

FAO:glk

M

Fischer-Piette, E. (1957) 59-4573
C.R.Acad.Sci., Paris, 245:373-5
 Sur les progrès des espèces
 septentrionales dans le bios inter-
 cotidal ibérique: situation en 1956-
 1957 (On the progress of southern
 species in the Iberian intercotidal
 biota: situation in 1956-1957)

Further note on the southward
 extension of northern elements.

FAO:glk

M

Rullier, F. (1957) 59-4576
C.R.Acad.Sci., Paris, 245:936-8
 Teneur en air et en eau interstitiels
 des sables marins et son influence
 sur les conditions d'habitat.
 (Air and interstitial-water content
 of marine sands & its influence on
 habitat conditions)

Contents as per title.

FAO:glk

M

Caram, B. (1957) 59-4574
C.R.Acad.Sci., Paris, 245:440-3
 Sur la sexualité et le développement
 d'une Phéophycée: Cylindrocarpus
berkeleyi (Grev.) Crouan (On the
 sexuality and development of a
 Phaeophycian: Cylindrocarpus berkeleyi
 (Grev.) Crouan)

Assignment of this sp. to the
 Isogeneratae instead of to the
 Heterogeneratae on the ground that
 development in culture gives a plant
 morphologically resembling that
 produced from copulation of unilocular
 sporocyst zooids.

FAO:glk

M

Magne, F. (1957) 59-4577
C.R.Acad.Sci., Paris, 245:983-5
 Sur un biotope marin favorable aux
 Chrysophycées benthiques (On a
 marine biotope favorable to benthic
 Chrysophyceae)

Account of the discovery of this
 biotope in the neighbourhood of
 Roscoff, with notice of certain spp.
 new either to French flora or to
 science.

FAO:glk

M

Lenel, R. (1957) 59-4575
C.R.Acad.Sci., Paris, 245:746-8
 Influence de l'ablation des pédoncules
 oculaires sur les pigments caroténoïdes
 de l'hypoderme du crabe Carcinus maenas
 (Influence of ablation of ocular
 peduncles on the carotenoid pigments
 of the crab Carcinus maenas)

Contents as per title.

FAO:glk

M

Ginet, R. (1957) 59-4578
C.R.Acad.Sci., Paris, 245:1173-5
 Capture d'une espèce nouvelle de
Salentinella (Amphipoda Gammaridae)
 dans une grotte des Pyrénées
 ariégeoises (Capture of a new
 species of Salentinella, gammarid
 amphipod, in a grotto of the Pyrenees
 near Ariège)

Contents as per title.

FAO:glk

F

Dao, S. (1957) 59-4579
C.R.Acad.Sci., Paris, 245:1263-5
 La gamétogénèse chez l'Acetabularia
mediterranea Lamouroux, Dasycladacée
 (Gametogenesis in Acetabularia
mediterranea Lamouroux, Dasycladaceae)

Account of 2 modes of reproduction,
 asexual multiplication by zoospores,
 & reproduction by male & female sexual
 gametes of different size.

FAO:glk

II

Reinboth, R. (1957) 59-4582
C.R.Acad.Sci., Paris, 245:1662-5
 Sur la sexualité du téléostéen Coris
julis (L.) (On the sexuality of
 teleostean Coris julis L.)

Examination of the synonymy of C.
giofredi with this sp., deriving
 from hermaphroditic dimorphism.

FAO:glk

M

Devillers, C., J. Colas 59-4580
 & A.-M. Cantacuzène (1957)
C.R.Acad.Sci., Paris, 245:14612
 Gastrulation de l'oeuf de truite (Salmo
irideus) en l'absence d'oxygène ou en
 présence d'inhibiteurs du métabolisme
 (Gastrulation of the egg of trout,
Salmo irideus, in the absence of
 oxygen or in the presence of inhibitors
 of metabolism)

Demonstration of a dissociation
 between morphogenetic movements &
 cellular differentiation.

FAO:glk

F

Charniaux-Cotton, H. (1957) 59-4583
C.R.Acad.Sci., Paris, 245:1665-8
 Déterminisme des phénomènes d'inter-
 sexualité chez Orchestia gammarella.
 Premier résultats (Determinism of
 intersexual phenomena in Orchestia
gammarella. First results)

Experimental demonstration of the
 functional relation of androgenous
 glands of males of this sp. & certain
 features of external morphology.

FAO:glk

M

Brémond, J.-C. (1957) 59-4581
C.R.Acad.Sci., Paris, 245:1643-5
 Etude statistique des hauteurs des
 nappes d'eau résultant du choc des
 vagues sur une paroi rocheuse
 (Statistical study of the height of
 water layers resulting from the impact
 of waves on a rocky wall)

Experimental establishment of a law
 expressing the frequency distribution
 of these heights.

FAO:glk

M

Berthois, L. & 59-4584
 H. Sully (1957)
C.R.Acad.Sci., Paris, 245:1737-9
 Coefficients de viscosité des eaux de
 la Loire en fonction de leur turbidité
 à différentes températures
 (Viscosity coefficients of Loire
 waters as a function of their
 turbidity at different temperatures)

Measurement of this coefficient &
 discussion of the consequences to
 estuarine sedimentation.

FAO:glk

F

Bernard, F. (1957) 59-4585
C.R.Acad.Sci., Paris, 245:1754-6
 Présence des flagellés marins Coccolithus et Exuviella dans le plancton de la mer Morte (Presence of the marine flagellates Coccolithus and Exuviella in the Dead Sea plankton)

Note on the occurrence of these Mediterranean forms.

FAO:glk

M

Bernard, F. (1957) 59-4588
C.R.Acad.Sci., Paris, 245:1968-71
 Plancton observé durant trois plongées en bathyscaphe au large de Toulon (Plankton observed during three descents in the bathyscaph off Toulon)

Note on the density of plankton at various depths & the frequency with which Coccolithus is observed.

FAO:glk

M

Jónsson, S. (1957) 59-4586
C.R.Acad.Sci., Paris, 245:1943-6
 La fragmentation du cytoplasme chez le Siphonocladus pusillus (Kütz.) Hauck, Siphonale (Fragmentation of the cytoplasm of Siphonocladus pusillus (Kütz.) Hauck, Siphonale)

Description of this process which relates to growth & vegetative reproduction of this alga.

FAO:glk

M

Brien, P., M. Poll 59-4589
 & J. Bouillon (1957)
C.R.Acad.Sci., Paris, 245:1988-90
 Ethologie de la reproduction d'un dipneuste africain Protopterus dolloi (Boulanger) Ethology of reproduction in the African dipneust Protopterus dolloi Boulanger)

Description of the sites for egg-laying & of male & female behaviour with regard to nests.

FAO:glk

F

Szabo, T. (1957) 59-4587
C.R.Acad.Sci., Paris, 245:1957-9
 Un noyau particulier dans la formation réticulée bulbaire de quatre poissons électriques appartenant à la famille des Gymnotidae (A particular nucleus in the bulbar reticulated formation of four electric fish belonging to the family Gymnotidae)

Histological study.

FAO:glk

M

Vandel, A. (1957) 59-4590
C.R.Acad.Sci., Paris, 245:2160-3
 Sur la constitution et la genèse des différents types d'apophyses génitales chez les crustacés isopodes (On the constitution and genesis of different types of genital apophyses in isopod crustacea)

Comparative study for systematic purposes.

FAO:glk

MF

Steele, J.H. (1959) 59-4591
Biol.Rev., 34:129-58
 The quantitative ecology of marine
 phytoplankton

Discussion of mathematical methods
 used in population studies of marine
 phytoplankton, with particular
 reference to the information used to
 set up postulates & to test
 conclusions.

FAO:glk

M

Grubišić, F. (1959) 59-4594
Morsk.Ribarst., 11:53-4
 Rezultat pokusnog zimskog lova skuša
 na Palagruži (The results of a
 trial winter mackerel fishing). En

Short summary of the experience
 gained by experimental fishing in
 January & February in the waters of
 Palagruža.

FAO:tl

M

Gerking, S.D. (1959) 59-4592
Biol.Rev., 34:221-42
 The restricted movement of fish
 populations

Review of evidence of restricted
 movements by stream, lake & ocean
 fishes & of certain features of fish
 behaviour relevant to this
 characteristic, seeking to explain
 why individual fish of many spp. tend
 to stay in a particular area for a
 considerable period of time.

FAO:glk

MF

Lundy, H. (1959) 59-4595
Ore.St.Game Bull., 14(3):3, 6-8
 Counting our chips

Popular account of the problems of
 anadromous fish in relation to
 water development projects in
 Oregon & with special attention to
 the Columbia River.

WAD:swad

MF

Lundbeck, J. (1959) 59-4593
Ber.dtsch.Komm.Meeresforsch., 15:159-237
 Biologisch-statistische Untersuchungen
 über die deutsche Hochseefischerei - IV.
 Die Entwicklung der Hochseefischerei in
 fangtechnischer, räumlicher und
 biologischer Hinsicht - 4. Leistungs-
 fähigkeit und Fangerträge der deutschen
 Fischdampferflotte 1885 bis 1955
 (Biological-statistical investigations
 of the German high-sea fishery - IV.
 Development of the high-sea fishery with
 regard to catching-techniques, spacial,
 areal & biological aspects - 4. Capacity
 & catch yield of the German fish-steamer
 fleet 1885 to 1955). En
 FAO: M

Grassé, P.-P. & 59-4596
 J. Dragesco (1957)
C.R.Acad.Sci., Paris, 245:2447-52
 L'ultrastructure du chromosome des
 Péridiniens et ses conséquences
 génétiques (The ultrastructure of
 the chromosomes of Peridiniens and
 their genetic consequences)

Note demonstrating that the inter-
 phasic nucleus of Peridiniens permits
 an analysis of chromosome infra-
 structure under exceptionally good
 conditions.

FAO:glk

M

Masuzawa, J. (1958) 59-4597
Oceanogr.Mag., 10(1):1-8
A short-period fluctuation of the
Kuroshio east of cape Kinkazan

Results of multiple ship measurements on
June-July 1957. Description of short
term fluctuation of current axis &
velocity distribution in the current.

FAO:tl

M

Ichiye, T. (1958) 59-4600
Oceanogr.Mag., 10(1):19-63
The response of a stratified,
bounded ocean to variable wind
stresses

Analytical theoretical consideration
of moving wind stress in a bounded
ocean, an amplitude of the responses
of the ocean with numerical examples
for travelling & periodically
changing wind systems.

FAO:tl

M

Kawamoto, T. (1958) 59-4598
Oceanogr.Mag., 10(1):9-12
The construction of parachute drogue

Description of a parachute drogue for
measurement of deep currents.

FAO:tl

M

Miyazaki, M. (1958) 59-4601
Oceanogr.Mag., 10(1):65-80
A method for the harmonic analysis of
tides

Description of a simplified method
for computation of the tidal
constituents from annual tidal
records. Auxiliary computation
tables are given.

FAO:tl

M

Takenouti, Y. (1958) 59-4599
Oceanogr.Mag., 10(1):13-7
Measurements of subsurface current in
the cold-belt along the northern
boundary of Kuroshio

Results of subsurface current
measurements with parachute drogue &
discussion of the formation of cold
water belt along the northern boundary
of Kuroshio.

FAO:tl

M

Moriyasu, S. (1958) 59-4602
Oceanogr.Mag., 10(1):81-9
On the fluctuation of the Kuroshio
south of Honshū (3). (A short note
on the computation of the relative
volume transport)

Discussion of the influence of the
depth & horizontal distance of the
section on the computation of
volume transport.

FAO:tl

M

Hanzawa, M. (1958) 59-4603
Oceanogr.Mag., 10(1):91-6
 Studies on the inter-relationship
 between the sea and the atmosphere
 (Part 3)

Study of the distribution of
 atmospheric pressure over the North
 Pacific & its influence on sea
 surface temperatures on eastern &
 western shores of the ocean.

FAO:tl

M

Ayers, J.C. & al. (1958) 59-4606
Publ.Gr.Lakes Res.Inst.; (3):1-169
 Currents and water masses of lake
 Michigan

F

Ichie, T. (1958) 59-4604
Oceanogr.Mag., 10(1):97-135
 On convective circulation and density
 distribution in a zonally uniform ocean

Theoretical analyses of the relations
 between oceanic circulation & density
 distribution in a simple model of
 circulation in a meridional section.

FAO:tl

M

Anonymous (1958) 59-4607
Canada, Dep.Fish., 1-28
 Let's serve shellfish

MF

Okubo, A. (1958) 59-4605
Oceanogr.Mag., 10(1):137-56
 The distribution of dissolved oxygen
 in the north-western part of the North
 Pacific ocean in the aspect of
 physical oceanography - Part I. General
 features of the oxygen distribution (I)

Description of horizontal & vertical
 distribution of oxygen in summer 1955.

FAO:tl

M

Fraser, J.H. (1958) 59-4608
Proc.Nutr.Soc., 17(2):127-32
 The food supplies of the fish

Discussion of: productivity in the sea
 plankton & the food chain the food
 of demersal fish the young stages of
 fish the yield of fish fertilization
 direct use of plankton.

MF:lk

MF

Mansueti, R. (1958) 59-4609
Nature Mag., 51(7):351-4
The hickory shad unmasked

Berry, F.H. (1958) 59-4612
Proc. Conf. St. East. Ass. Game Comm., (11)
310-31
Age and growth of the gizzard shad,
(Dorosoma lacepedi Lesueur), in lake
Newnan, Florida

MF

Dorris, T.C. & al. (1958) 59-4610
Annu. Conf. W. Petroleum Refiners Ass.,
(3):1-8
Toxicity bioassay of oil refinery
effluents in Oklahoma

Atkinson, W.S. (1957) 59-4613
Leaflet U.S. Dep. Agric., (259):1-8
How to build a farm pond

F

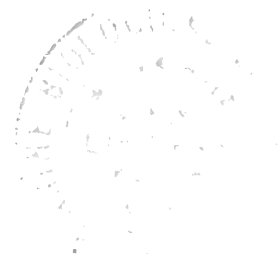
F

Saxena, D.B. (1957) 59-4611
Ann. Session nat. Acad. Sci. India, 1
The comparative studies of the bones
forming the opercular series in some
freshwater fishes of India

Borzins, B. (1957) 59-4614
Trusht. Stara. Sverig. RiskForen., 41-53
On fishery and rotenon
(On fisheries management with
rotenon)

F

F



Fauvel, P. & 59-4615
 F. Rullier (1959)
Bull.Inst.franç.Afr.noire, 21:477-533
 Contribution à la faune des Annélides
 Polychètes du Sénégal et de Mauritanie
 (Première partie) (Contribution
 to the fauna of Annelids Polychaets of
 Senegal and Mauritania - 1st part)

A systematic catalogue with synonyms,
 information on occurrence & general
 geographic distribution of the spp.

FAO:hr

M

Davey, J.T., M. Descamps 59-4618
 & R. Demange (1959)
Bull.Inst.franç.Afr.noire, 21:565-600
 Notes on the Acrididae of the French
 Sudan, with special references to the
 Central Niger delta

A catalogue of spp. with notes on
 occurrence & ecology.

FAO:hr

F

Vaissière, R. (1959) 59-4616
Bull.Inst.franç.Afr.noire, 21:534-53
 Parasites de poissons de mer ouest-
 africains récoltés par J. Cadenat - II.
 Copépodes - Copépodes caligides
 (Parasites of fishes of West African
 seas collected by J. Cadenat - II.
 Copepod caligids)

Taxonomic description of spp. of
 Caligidae, Euryphorinae, with notes on
 hosts.

FAO:hr

M

Daget, J. (1959) 59-4619
Bull.Inst.franç.Afr.noire, 21:664-88
 Les poissons du Niger supérieur
 (Fishes of the upper Niger)

A catalogue of spp. with taxonomic
 descriptions & notes on their
 occurrence & distribution.

FAO:hr

F

Mayrat, A. (1959) 59-4617
Bull.Inst.franç.Afr.noire, 21:554-64
 Remarques sur le développement de la
 crevette caramote, Penaeus kerathurus
 (Forsk.) (Remarks on the
 development of the shrimp Penaeus
kerathurus Forskål)

5 mysis & 7 postmysis phases of
 development between mysis & adult were
 determined by logarithmic coordinates.
 Growth of crustaceans. Causes of
 variation & regulating mechanisms were
 briefly reviewed.

FAO:hr

M

Daget, J. (1959) 59-4620
Bull.Inst.franç.Afr.noire, 21:689-94
 Description de trois poissons nouveaux
 de la Gambie: Barbus niokoloensis n.
 sp., Chrysichthys johnelsi n.sp. et
Amphilius rheophilus n.sp.
 (Description of three new fishes of
 Gambia: Barbus niokoloensis n.sp.,
Chrysichthys johnelsi n.sp. and
Amphilius rheophilus n.sp.)

Taxonomic description of the spp.

FAO:hr

F

Monod, Th. (1959) 59-4621
Bull.Inst.franç.Afr.noire, 21:695-709
Les nageoires ventrales du *Balistes forcipatus* Gmelin 1789 (Ventral fins of *Balistes forcipatus* Gmelin 1789)

A study of morphological details followed by an attempt to interpret the replacement of the ventral fins of the sp. by a spine.

FAO:hr

M

59-4623
 (Card 2)

Atractophorus is considered a juvenile form of certain spp. of *Centrophorus*.

FAO hr

M

Monod, Th. (1959) 59-4622
Bull.Inst.franç.Afr.noire, 21:710-34
Notes sur l'épine latéro-caudale et la queue de l'*Acanthurus monroviae* (Notes on the latero-caudal spine and tail of *Acanthurus monroviae*)

A morphological & histological study.

FAO:hr

M

Cadenat, J. (1959) 59-4625
Bull.Inst.franç.Afr.noire, 21:743-6
Notes d'ichtyologie ouest-africaine - XXII. *Centrophorus lusitanicus* Bocage Capello 1864 (Sélacien Squalidae), espèce valable différente de *C. granulosus* (West African ichthyological notes - XXII. *Centrophorus lusitanicus* Bocage and Capello 1864, selachian Squalidae, valid species different from *C. granulosus*)

A comparison of the spp. indicating their differences & consequently their validity.

FAO:hr

M

Cadenat, J. (1959) 59-4623
Bull.Inst.franç.Afr.noire, 21:735-42
Notes d'ichtyologie ouest-africaine - XXI. Le genre *Atractophorus* Gilchrist 1922, stade juvénile de *Centrophorus* Müller Henle 1837 (Sélacien Squalidae) (West African ichthyological notes - XXI. The genus *Atractophorus* Gilchrist 1922, juvenile stage of *Centrophorus* Müller Henle 1837, Selachien Squalidae)

A study of the lateral grooves of the spines of the dorsal fin indicates the character to be only present in young forms. Consequently the genus

Cadenat, J. (1959) 59-4626
Bull.Inst.franç.Afr.noire, 21:748-61
Notes d'ichtyologie ouest-africaine - XXIII. Sur la valeur relative de la morphologie des spicules dans la systématique du genre *Centrophorus* (West African ichthyological notes - XXIII. On the relative value of the morphology of the spines on the systematic of the genus *Centrophorus*)

The morphology of the dermic spines of Selachians varies with age particularly among the spp. of *Centrophorus*. Based on this finding,

59-4626
(Card 2)
the author reviews the validity
of different spp. of the genus.

FAO:hr

M

59-4630
Cadenat, J. &
M. Doutre (1959)
Bull.Inst.franç.Afr.noire, 21:787-92
Notes sur les delphinidés ouest-
africains - V. Sur un Prodelphinus à
long bec capturé au large des côtes
du Sénégal Prodelphinus longirostris
(Gray) 1828? (Notes on West
African delphinids - V. On a long bill
Prodelphinus captured off Senegal
Prodelphinus longirostris Gray 1828?)

Contains body & head measurements &
proportions, notes on coloration
& biological remarks.

FAO:hr

M

Lamotte, M., J.-L. Perret 59-4628
& S. Dzieduszycka (1959)
Bull.Inst.franç.Afr.noire, 21:762-76
Contribution à l'étude des Batraciens
de l'ouest africain - IX. Les formes
larvaires de Petropedetes palmipes,
Conraua goliath et Acanthixalus
spinosus (Contribution to the
study of Batrachians of West Africa --
IX. Larval forms of Petropedetes
palmipes, Conraua goliath and Acanthi-
xalus spinosus)

Description of tadpoles & notes on
development of larval formae of the
spp. of Cameroon.

FAO:hr

F

Berzins, B. (1957) 59-4631
Årsskr.Södra Sverig.FiskFören., 19-34
Studier över näringstillgång och
närbingsbehov hos nykläckt sikyngel
(Studies on the availability of food
and food requirements of newly
hatched whitefish larvae)

F

Cadenat, J. & 59-4629
A. Lassarat (1959)
Bull.Inst.franç.Afr.noire, 21:777-81
Notes sur les delphinidés ouest-
africains - IV. Sur un Prodelphinus
indéterminé de côte d'Ivoire
(Notes on the West African delphinids -
IV. On an undetermined Prodelphinus
of the Ivory coast)

Contains notes on coloration & tables
of morphometric & other characters.

FAO:hr

M

Lathbury, A. & 59-4632
R.A. Bryson (1958)
Univ.Wisconsin, Dep.Meteorology, 1-28
Studies of the physiographic features
of lake Mendota - I. Sublacustrine
Gullies

F

Shishkin, B.K. (1958) 59-4633
 Mosqua, Editio Academiae Scientiarum
 URSS, 776 p.
 Flora URSS (Flora Unionis Republicarum
 Socialisticarum Sovieticarum). Ru

Ill. systematic account of the orders:
 Bignoniaceae Pers., Pedaliaceae Lindl.,
 Martyniaceae Link, Orobanchaceae Lindl.,
 Lentibulariaceae Lindl., Globulariaceae
 Link, Phrymaceae Schauer, Planta-
 ginaceae Lindl., Rubiaceae Juss.,
 Caprifoliaceae Vent., Adoxaceae Fritsch,
 Valerianaceae DC. Text in Russian.
 Addendum giving, in latin diagnosis

France. Sous-Secrétariat à 59-4636
 la Marine Marchande. Direction des
 Pêches Maritimes (1958)
 Paris, 181 p.
 Statistique des pêches maritimes -
 Année 1956 (Marine fisheries
 statistics for the year 1956)

Statistical tables giving: 1) general
 information on fishing operations; 2)
 fishing boats; 3) fishermen; 4)
 production; 5) related industries,
 with breakdown by spp. & localities.

FAO:glk

M

59-4633
 (Card 2)
 of each new sp. described in this
 volume.

FAO:glk

F

Washington. University 59-4637
 Fisheries Research Institute (1959)
 Seattle 5, Wash., 24 p.
 Report of operations 1958

Short history of the Institute -
 facilities, objectives, publications,
 study & employment opportunities -;
 fisheries of Alaska; report on Alaska
 salmon industry projects - red salmon
 studies, pink salmon studies -;
 summary of Federal Contract Projects -
 high seas salmon tagging, & in Cook
 Inlet, Prince William Sound, & west
 coast of Prince of Wales I.; Kvichak
 red salmon studies; effects of

D'Amico & 59-4635
 P.P. Foà (1959)
Experientia, 15:145
 Glucose and potassium transfer in the
 isolated heart of Venus mercenaria

Biochemical study of the effect of
 insulin on the uptake of glucose &
 potassium by the clam heart in vitro.
 as preliminary to use of this
 material for biological assay.

FAO:glk

M

59-4637
 (Card 2)
 tagging on productivity of pink
 salmon streams in Alaska; sea lion
 studies; stream catalogue of SE
 Alaska; king crab studies.

IR:sjh

MF

Florin, M.-B. (1957) 59-4639
Acta phytogeogr. suec., (37):144 p.
Plankton of fresh and brackish waters
in the Södertälje area.

Description of the area; methods used;
description of the lakes & fjörds;
physical-chemical data; taxonomic lists
of macrophytes & plankton organisms
by lakes with special consideration of
plankton in brackish water fjörds
between Mälaren & Baltic.

FAO:tl

MF

Tibbs, J. (1959) 59-4642
Biochim. biophys. Acta, 33(1):220-6
The adenosine triphosphatase activity
of perch sperm flagella

Measurement of the conditions for
maximum activity using $MgCl_2$
activator & $CaCl_2$ activator, of the
specificity of enzyme action, the
effect of substrate concentration on
activity & of KCl on Mg & Ca
activation, & an account of an
attempt to extract enzyme activity
from the flagellum.

FAO:glk

F

Mechsner, Kl. (1959) 59-4640
Biochim. biophys. Acta, 33(1):150-8
Untersuchungen an Chlorella vulgaris
über den Einfluss der Alkaliionen auf
die Lichtphosphorylierung
(Investigation of the influence of
alkali ions on phosphorylation in light
by Chlorella vulgaris). En

Detailed description of the method.
Comparison of the effect of K^+ ion with
that of Rb^+ , Li^+ , Na^+ , Cs^+ & NH_4^+ ions, &
with that of various anions, &
examination of the process in the
presence of various inhibitors.

FAO:glk

F

Hildemann, W.H. (1959) 59-4643
Amer. Nat., 93(860):27-34
A cichlid fish, Symphysodon discus,
with unique nurture habits

Normally the newly-hatched fry feed
exclusively off the skin of the
parents, on an abundant mucous
secretion with a granular composition
produced by both parents over the
entire body incl. the fins. Histo-
logical sections revealed that this
food is secreted by numerous, large
mucous cells in the epidermis of the
hypertrophied parental skin.

FAO:whh

F

Kandler, O. & 59-4641
C. Sironval (1959)
Biochim. biophys. Acta, 33(1):207-15
Photoxidation processes in normal green
Chlorella cells - II. Effects on
metabolism

The bleaching of Chlorella cells in a
very intense light occuring only after
a certain dark-reversible induction
phase, the length of which depends on
oxygen tension, light intensity &
specific photostability of the strain of
Chlorella used, & examination was made
of the metabolic changes occuring
during the induction.

FAO:glk

F

Bagrov, N.A. (1958) 59-4644
Met. Hidrolog., (11):41-6
Hydrodynamic methods of long-range
weather forecasting

Middleton, H.K. (1958) 59-4645
Misc.Publ.nat.Bur.Stand., (224):168 p.
Hydraulic research in the United States
1958 (Including contributions from
Canadian laboratories).

Information compiled from reports of
hydraulic & hydrologic laboratories in
the US & Canada on the status of
current projects. Incl. some on fishery
engineering - fishways, fish screens
& other fish protective devices -, &
others of limnological & oceanographical
interest.

FAO:wad

Lundbeck, J. (1958) 59-4648
Jber.dtsch.Fisch., 1957:112-41
Biologisch-statistischer Bericht über
die deutsche Hochseefischerei im
Jahre 1957 (Biological-statistical
report on the German high-sea fishery
during 1957). En

Tables of production statistics of
deep sea fishery by spp., months,
regions; fishing effort, incl.
analysis of spp., length & age
composition.

FAO:dr

M

Germany. Bundesministerium 59-4646
für Ernährung, Landwirtschaft
und Forsten (1958)
Verlag Gebr.Mann, Berlin, 282 p.
Jahresbericht über die deutsche
Fischerei 1957 (Annual report on the
German fishing industry 1957)

Tables of production statistics by spp.,
months, regions, types of gear, & use
of product; trade quantities & values;
fishing effort; research activities;
processing & reduction; & whaling
production. Miscellaneous notes on
world fisheries.

FAO:dr

MF

Ebeling, G. (1958) 59-4649
Jber.dtsch.Fisch., 1957:154-9
Der Einsatz der Fischereischutzboote
(Fischereihilfsschiffe) FRITHJOF,
MEERKATZE und POSEIDON sowie des
Fischereiforschungsschiffes ANTON
DOHRN im Jahre 1957 (Activities
of the fishery protection vessels
FRITHJOF, MEERKATZE and POSEIDON and
the R/V ANTON DOHRN during 1957).
En

Brief account of medical & technical
helps & weather services rendered.
Incl. notes on the technical
equipment of the vessels.

FAO:dr

M

Sommer, K. (1958) 59-4647
Jber.dtsch.Fisch., 1957:29-104
Die See- und Küstenfischerei und die
Fischversorgung der Bundesrepublik
Deutschland im Jahre 1957 (The sea-
and coastal fisheries & the fish supply
of the German Federal Republic in 1957).
En

Tables of production statistics by spp.,
regions, types of gear; trade quantities
& values.

FAO:dr

M

Bückmann, A. (1958) 59-4650
Jber.dtsch.Fisch., 1957:175-80
Die Arbeiten der Deutschen Wissen-
schaftlichen Kommission für
Meeresforschung (On the activity
of the German Scientific Commission
for the exploration of the sea).
En

Summarizes activities of German
Commission on biological, techno-
logical & hydrographical
investigations. Details are given on
coordination with ICES, ICNAF, SCOR,
PCIFC(1956), & FAO.

FAO:dr

M

Mann, H., A. von Brandt 59-4651
& Chr. Hennings (1958)
Jber.dtsch.Fisch., 1957:181-222
Die Fischereiforschung (Fisheries
investigations). En

Reports activities of institutions
engaged in fisheries science.

FAO:dr

MF

Bahr, K. (1958) 59-4654
Jber.dtsch.Fisch., 1957:230-6
Kleine Hochsee- und Küstenfischerei
(The deep sea cutter and coastal
fisheries). En

Notes on so-called small deep-sea &
coastal fisheries, with production
& value statistics.

FAO:dr

M

Dierks, A. (1958) 59-4652
Jber.dtsch.Fisch., 1957:223-7
Die deutsche Hochseefischerei im Jahre
1957 (The German deep sea fishery
during 1957). En

Brief account of the German deep sea
fishing industry, with notes on
planned market reform & programme for
changing economic structure.

FAO:dr

M

Wiehr, H. (1958) 59-4655
Jber.dtsch.Fisch., 1957:237-46
Binnenfischerei (The inland water
fishery). En

Contains tables of 1957 production
statistics by spp. & regions; fishing
technology, mechanization & electrical
fishing; training schemes for
fishermen; pond farming. Also incl.
notes on fish disease control.

FAO:dr

F

Frick, C. (1958) 59-4653
Jber.dtsch.Fisch., 1957:228-9
Grosse Heringsfischerei (Logger-
fischerei) (The lugger fishery).
En

Notes on bigger herring fishery with
production & value statistics.

FAO:dr

M

Brockstedt, H. (1958) 59-4656
Jber.dtsch.Fisch., 1957:263-76.
Die Fischwirtschaft anderer Länder
(The fisheries of other countries).
En

Tables of world fisheries production
statistics; utilization of world
catches; detailed reports on fish
products; fishing yields of European
& other important countries in 1959;
& foreign trade with fishery
products of 15 countries.

FAO:dr

MF

Hellmich, G. (1958) 59-4657
Jber.dtsch.Fisch., 1957:277-82
Walfang (The whale fishery).
En

Statistical account of the world's
whale production in 1957.

FAO:dr

M

Medcof, J.C. & 59-4660
J.E. Mortimer (1958)
Progr.Rep.Atl.Cst Stas, (71):27-9
Introducing European oysters to the
maritimes. Fr

Comparison of native oysters with
the European Ostrea edulis, account
of a trial planting of the latter
near St. Andrews, & note on future
work.

GLK:glk

MF

Lauzier, L. (1958) 59-4658
Progr.Rep.Atl.Cst Stas, (71):8-12
Surface sea water temperatures along
the Canadian Atlantic coast, 1954-1957.
Fr

Graph of surface seawater temperatures
at St. Andrews, N.B., 1921-1957, with
tabulations of monthly & annual values
for 1953-57, & of monthly & annual
record low & high & long-term average
values for the entire period, the
temperature variations at St. Andrews
being generally indicative of conditions
on the whole Canadian Atlantic coast.

GLK:glk

M

Anonymous (1959) 59-4661
Limnol.Oceanogr., 4(1):106-7
Communication concerning a central
agency for C14 determination
(Measurements of primary production in
the sea) at Charlottenlund slot,
Denmark

HR:x

Medcof, J.C. (1958) 59-4659
Progr.Rep.Atl.Cst Stas, (71):21-6
Stock-taking of molluscal shellfish
resources and prospects for improvement.
Fr

Sp. by sp. review of quantity & value
of catch, methods used & conditions
affecting stocks & discussion of
measures to improve the situation.

GLK:glk

MF

Canada. Fisheries 59-4662
Research Board (1958)
Ottawa, 195 p.
Annual report 1957-1958 for the
fiscal year ended March 31, 1958

Report on research activities,
description of projects & principal
results of investigations. The
reports from various research stations
are arranged by subject & sp. of fish.

FAO:tl

MF

Nielsen, E. Steemann & 59-4663
D.H. Cushing (1958)
Rapp.Cons.Explor.Mer, 144:5-9
Introduction

Brief account of the symposium & of some of the points raised in the discussions, with the recommendations of the various committees appointed during the symposium.

FAO:glk

MF

Ryther, J.H. & al. (1958) 59-4666
Rapp.Cons.Explor.Mer, 144:13-4
Report of the committee on methods for the measurement of primary production

FAO x

Holmes, R. & al. (1958) 59-4664
Rapp.Cons.Explor.Mer, 144:11
Recommendations on studies of phytoplankton populations

FAO:x

Cushing, D.H. & al. (1958) 59-4667
Rapp.Cons.Explor.Mer, 144:15-6
Report of the committee on terms and equivalents

FAO:x

Krey, J. & al. (1958) 59-4665
Rapp.Cons.Explor.Mer, 144:12
Report of the committee on chlorophyll

FAO:x

Braarud, T. (1958) 59-4668
Rapp.Cons.Explor.Mer, 144:17-9
A. Methods for estimating standing crop in phytoplankton - A.1. Counting methods for determination of the standing crop of phytoplankton

Review of methods of concentration of plankton, from the free environment (nets) or from abstracted samples (centrifugation etc.), & brief discussion of some aspects of the techniques of enumeration.

FAO:glk

MF

Krey, J. (1958) 59-4669
Rapp.Cons.Explor.Mer, 144:20-7
A. Methods for estimating standing
crop in phytoplankton - A.2. Chemical
methods of estimating standing crop of
phytoplankton

General discussion of plankton pigments,
the chlorophyll content of phytoplankton
& its physiological significance, the
principles of optical measurement of
concentration & the properties of
chlorophyll, with review of methods of
collection & concentration of plankton,
dissolving & preserving chlorophyll, &
measurement of its concentration.

FAO:glk

MF

Cushing, D.H. & 59-4672
H.T. Nicholson (1958)
Rapp.Cons.Explor.Mer, 144:34
A. Methods for estimating standing
crop in phytoplankton - A.5. The
measurement of the carbon content of
diatoms, using the ^{14}C technique:
a preliminary note

Contents as per title.

FAO:glk

M

Hanaoka, T. (1958) 59-4670
Rapp.Cons.Explor.Mer, 144:28-31
A. Methods for estimating standing
crop in phytoplankton - A.3. Suspended
matter as an index of the productivity
of the sea

Report of field work showing that a
far large amount of plant protoplasm is
present in at least some areas of the
sea in the form of micro-particles
retainable on a micro-filter than in the
form of larger particles to be retained
by a plankton net, & presentation of a
correlation between an index of total
suspended matter & fish production.

FAO:glk

M

Cooper, L.H.N. (1958) 59-4673
Rapp.Cons.Explor.Mer, 144:35-7
B. Methods of measurements of
production - B.1. Consumption of
nutrient salts in the English Channel
as a means of measuring production

Discussion of the reliability of this
method as applied to data on the
midwinter phosphate maximum in
January 1947 & on water exchange in
the winter of 1950.

FAO:glk

M

Cushing, D.H. (1958) 59-4671
Rapp.Cons.Explor.Mer, 144:32-3
A. Methods for estimating standing crop
in phytoplankton - A.4. The estimation
of carbon in phytoplankton

Discussion of the calculation of some
equivalents established between dried
weight of plankton, dry planktonic
organic matter, algal volume,
chlorophyll & carbon.

FAO:glk

MF

Nielsen, E. Steemann (1958) 59-4674
Rapp.Cons.Explor.Mer, 144:38-46
B. Methods of measurements of
production - B.2. Experimental
methods for measuring organic
production in the sea

Review of the oxygen & the carbon-14
techniques.

FAO:glk

MF

Doty, M.S. & M. Oguri (1958) 59-4675
Rapp.Cons.Explor.Mer, 144:47-55
 B. Methods of measurements of production - B.3. Selected features of the isotopic carbon primary productivity technique
 Discussion of various manipulative features & of the reliability of the technique.

FAO:glk

MF

Winberg, G.G. (1958) 59-4678
Rapp.Cons.Explor.Mer, 144:65-9
 B. Methods of measurements of production - B.6. Quelques questions concernant les méthodes de l'investigation de la production primaire du plancton, basée sur des travaux exécutés en URSS (Some questions concerning the methods of investigation of primary plankton production, based on work carried out in the USSR)

Discussion of some problems, such as the effect of bacterial activity, encountered in the use of the oxygen method, & of evidence on the

Fogg, G.E. (1958) 59-4676
Rapp.Cons.Explor.Mer, 144:56-60
 B. Methods of measurements of production - B.4. Extracellular products of phytoplankton and the estimation of primary production

Direct determination of the extent to which extracellular products of photosynthesis are liberated by phytoplankton.

FAO:glk

MF

59-4678
 (Card 2)
 productivity of various waters.

FAO:glk

MF

Fedosov, M.V. (1958) 59-4677
Rapp.Cons.Explor.Mer, 144:61-4
 B. Methods of measurements of production - B.5. Investigations of the chemical basis of productivity in sea basins

Discussion of the operational routine at sea for measurement of oxygen as approach to the measurement of production, & on the collection of material for the estimation of the intensity of the synthesis of organic matter in a particular region of the sea.

FAO:glk

M

Wimpenny, R.S. (1958) 59-4680
Rapp.Cons.Explor.Mer, 144:70-2
 C. Measurements of primary production
 C.1. Carbon production in the sea at the Smith's Knoll lightvessel

Results obtained by carbon-14 & oxygen methods.

FAO:glk

M

Cushing, D.H. (1958) 59-4681
Rapp.Cons.Explor.Mer, 144:73-5
C. Measurements of primary production --
C.2. Some experiments using the ¹⁴C technique

Estimates of production in the area between the Devil's Hole & Flamborough Head; the same observations were used to make an estimate of the algal reproductive rate & at the same time grazing experiments were carried out. A preliminary experiment on the relation between photosynthesis & phosphorous content is described.

FAO:glk

M

Berge, C. (1958) 59-4684
Rapp.Cons.Explor.Mer, 144:85-91
C. Measurements of primary production --
C.5. The primary production in the Norwegian Sea in June 1954, measured by an adapted ¹⁴C technique

Description of the method which was designed to meet certain operational requirements of the programme of a research vessel, & presentation of results brought into relation with hydrographic, zooplanktonic & fish investigations.

FAO:glk

M

Corlett, J. (1958) 59-4682
Rapp.Cons.Explor.Mer, 144:76-8
C. Measurements of primary production --
C.3. Measurements of primary production in the western Barents Sea

Measurement of light penetration, & of production by carbon-14 method.

FAO:glk

M

Nielsen, E. Steemann (1958) 59-4685
Rapp.Cons.Explor.Mer, 144:92-5
C. Measurements of primary production --
C.6. A survey of recent Danish measurements of the organic productivity in the sea

Results obtained in Danish & Greenland waters.

FAO:glk

M

Steele, J.H. (1958) 59-4683
Rapp.Cons.Explor.Mer, 144:79-84
C. Measurements of primary production --
C.4. Production studies in the northern North Sea

Describes the basic problems of the "phosphate method" & gives some results of its use in the northern North Sea. Briefly outlines a mathematical model relevant to the same area & gives some detailed comparisons of the model, the phosphate results & the carbon-14 technique.

FAO:glk

M

Carrie, E.I. (1958) 59-4686
Rapp.Cons.Explor.Mer, 144:96-102
C. Measurements of primary production --
C.7. Some observations on organic production in the North-East Atlantic

Measurement of rate of photosynthesis of phytoplankton standing crop of phytoplankton, & the light energy available for photosynthesis. (issued as Coll.Repr.Norwleg.nat.Inst.Oceanogr., 6(217), 1958).

FAO:glk

M

Bernard, F. (1958) 59-4687
Rapp.Cons.Explor.Mer, 144:103-8
C. Measurements of primary production -
C.8. Données récentes sur la fertilité
élémentaire en Méditerranée
(Recent data on the elementary fertility
in the Mediterranean)

Brief history of such investigations;
dominant organisms among the unicellular
plankton; variation in productivity
between the principal strata; speed of
multiplication of the dominant organisms.

FAO:glk

M

Bogorov, B.G. (1958) 59-4690
Rapp.Cons.Explor.Mer, 144:117-21
C. Measurements of primary production -
C.10. Estimates of primary production
in biogeographical regionization of
the ocean

Correlation of primary production with
temperature & zooplankton biomass in
the northwest Pacific.

FAO:glk

M

Holmes, R.W. (1958) 59-4688
Rapp.Cons.Explor.Mer, 144:109-16
C. Measurements of primary production -
C.9. Surface chlorophyll "A", surface
primary production, and zooplankton
volumes in the eastern Pacific ocean

Summary of data on geographical
variations in surface chlorophyll a,
surface primary production, & zoo-
plankton volume which are related to
physical & chemical regime of these
waters; computation of daily organic
carbon requirement of zooplankton,
comparison of photosynthetic rates per
unit of chlorophyll a observed in sea-

Rodhe, W. (1958) 59-4691
Rapp.Cons.Explor.Mer, 144:122-8
C. Measurements of primary production -
C.11. The primary production in lakes:
some results and restrictions of the
14C method

Discussion of results obtained in lake
Erken, Sweden, with regard to seasonal
succession, relations to standing crop
of phytoplankton & to chemical
conditions, & comparison of these
results with those obtained in other
lakes.

FAO:glk

F

59-4692
(Card 2)
water samples with laboratory
results.

Ohle, W. (1958) 59-4692
Rapp.Cons.Explor.Mer, 144:129-31
C. Measurements of primary production -
C.12. Diurnal production and
destruction rates of phytoplankton in
lakes

Discussion of results with regard to
diurnal course of photosynthesis &
respiration, of the importance of the
starting time for bioactivity in vitro
& comparison of net community
production in situ & in vitro.

FAO:glk

M

FAO:glk

F

Ketchum, B.H. & al. (1958) 59-4693
Rapp.Cons.Explor.Mer, 144:132-40
D. Environmental conditions for primary
production - D.1. Productivity in
relation to nutrients

Review of problems persisting in the
understanding of the relation between
essential nutrients & productivity,
with discussion of some results on: net
& gross photosynthesis, variations
in phytoplankton chlorophyll,
phosphorus: chlorophyll relation, &
chlorophyll: carotenoid relations.

FAO:glk

M

Lucas, C.E. (1958) 59-4696
Rapp.Cons.Explor.Mer, 144:155-8
D. Environmental conditions for
primary production - D.4. External
metabolites and productivity

Review of recent work.

FAO:glk

M

Nielsen, E. Steemann (1958) 59-4694
Rapp.Cons.Explor.Mer, 144:141-8
D. Environmental conditions for primary
production - D.2. Light and the
organic production in the sea

Discussion of the dependence of photo-
synthesis on light, the utilization by
algae of the light penetrating the sea
surface, the influence of weather
conditions on the rate of organic
production & the influence of vertical
stabilization of the water masses.

FAO:glk

M

van Klaveren, F.W. & 59-4697
R. Legendre (1958)
Progr.Rep.Atl.Cst Stas, (71):3-8
A comparison of various salt cod
products. Fr

GLK x

Cushing, D.H. (1958) 59-4695
Rapp.Cons.Explor.Mer, 144:149-54
D. Environmental conditions for primary
production - D.3. The effect of grazing
by analysis of phytoplankton
populations at sea, & by experiments
with bottles, & of the relevance of
experimental results to natural
populations.

FAO:glk

M

Dussault, H.P. (1958) 59-4698
Progr.Rep.Atl.Cst Stas, (71):13-6
Mold contamination in salt fish and
method of control. Fr

GLK:x

Dyer, W.J., D.I. Fraser 59-4699
& E.G. Bligh (1958)
Progr.Rep.Atl.Cst Stas, (71):17-20
Fat hydrolysis in frozen fish. 1. Free
fatty acid formation. Fr

Anonymous (1959) 59-4702
Comm.Fish.Rev., 21(3) 29-31
California - Distribution of
barracuda and White Sea bass
surveyed off Baja California (M/V
ALASKA cruise 58A6-Barracuda-White
Sea bass)

Contents as per title.

GLK:x

FAO:

M

Johnson, H.C. (1959) 59-4700
Comm.Fish.Rev., 21(3):7-19
King crab, shrimp and bottom fish
explorations from Shumagin islands to
Unalaska, Alaska - summer and fall,
1957

Results of cruise by charter vessel
TORDENSKJOLD; gear used, station list
& chart; fishing results, especially
for Paralithodes camtschatica, other
crabs, Pandalus & Pandalopsis spp. &
various fishes.

FAO:sjh

M

Anonymous (1959) 59-4703
Comm.Fish.Rev., 21(3):31
California - Dungeness-crab
distribution and abundance studies
continued (M/V ALASKA cruise 58A7-Crab)

Contents as per title.

FAO:

M

Anonymous (1959) 59-4701
Comm.Fish.Rev., 21(3):26-8
California - Aerial census of
commercial and sport fishing
continued

Contents as per title.

FAO:

M

Anonymous (1959) 59-4704
Comm.Fish.Rev., 21(3):32
California - Petrale and English sole
tagged in coastal waters (M/V N.B.
SCOFIELD cruise 58-S-8-Trawl)

Contents as per title.

FAO:

M

Anonymous (1959) 59-4705
Comm.Fish.Rev., 21(3):34-5
Florida - Fisheries research

FAO: M

Anonymous (1959) 59-4708
Comm.Fish.Rev., 21(3):36-7
Gulf exploratory fishery program -
Northeast Gulf of Mexico surveyed
for industrial fish stocks (M/V
SILVER BAY cruise 13)

Contents as per title.

FAO: M

Anonymous (1959) 59-4706
Comm.Fish.Rev., 21(3):35
Florida - Grant received for research
on cusk eels

Contents as per title.

FAO: M

Anonymous (1959) 59-4709
Comm.Fish.Rev., 21(3):38-41
Gulf fishery investigations

Notes on: fish & shellfish tested
for insecticide tolerance; bait
shrimp fishery; shrimp tagging;
Tortugas pink shrimp; fishing power &
vessel characteristics; preliminary
survey of Gulf shrimp fishing trends,
1956-58; red tide studies, menhaden;
& industrial fishes.

FAO:sjh M

Anonymous (1959) 59-4707
Comm.Fish.Rev., 21(3):36
Florida - Study of marine yeasts of
Biscayne bay

Contents as per title.

FAO: M

Anonymous (1959) 59-4710
Comm.Fish.Rev., 21(3):43
North Atlantic fisheries
investigations - Block island sound
area surveyed for industrial fish
(M/V ALBATROSS III cruise 125)

Contents as per title.

FAO: M

Anonymous (1959) 59-4711
Comm.Fish.Rev., 21(3):43
Oysters - Chesapeake bay oyster studies
Contents as per title.

FAO: M

Anonymous (1959) 59-4714
Comm.Fish.Rev., 21(3):44
Pacific oceanic fishery
investigations - Contract awarded for
test of commercial live-bait tuna
fishing in Marquesas area
Contents as per title.

FAO: M

Anonymous (1959) 59-4712
Comm.Fish.Rev., 21(3):43-4
Oysters - European variety thrives in
Maine waters
Contents as per title.

FAO: M

Anonymous (1959) 59-4715
Comm.Fish.Rev., 21(3):44-5
Pacific oceanic fishery
investigations - Ecology of
albacore tuna
Contents as per title.

FAO: M

Anonymous (1959) 59-4713
Comm.Fish.Rev., 21(3):44
Oysters - Studies on raft culture
Contents as per title.

FAO: M

Anonymous (1959) 59-4716
Comm.Fish.Rev., 21(3):45
Pacific oceanic fishery
investigations - Observations on
tuna behavior
Contents as per title.

FAO: M

Anonymous (1959) 59-4717
Comm.Fish.Rev., 21(3):45-6
Sardines - California catch samples
show two dominant year-classes

Contents as per title.

FAO: M

Anonymous (1959) 59-4720
Comm.Fish.Rev., 21(3):47-8
Striped bass - Federal and state
biologists tag large fish on Potomac

Contents as per title.

FAO: F

Anonymous (1959) 59-4718
Comm.Fish.Rev., 21(3):46
Sea lamprey - Declined in certain
great lakes in 1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-4721
Comm.Fish.Rev., 21(3):48
Tuna - California tuna clipper
returns from trial trip off African
west coast

Contents as per title.

FAO: M

Anonymous (1959) 59-4719
Comm.Fish.Rev., 21(3):46
Shad - Connecticut river runs
predicted

Contents as per title.

FAO: MF

Anonymous (1959) 59-4722
Comm.Fish.Rev., 21(3):57
International - Latin America Pacific
coast algae being studied

Contents as per title.

FAO: M

Anonymous (1959) 59-4723
Comm.Fish.Rev., 21(3):57-8
International - North Pacific fur-
seal research

Contents as per title.

FAO.

I

Anonymous (1959) 59-4726
Comm.Fish.Rev., 21(3):59
Brazil - Fishing operations by
Japanese expand

Contents as per title.

FAO

II

Anonymous (1959) 59-4724
Comm.Fish.Rev., 21(3):58-9
Whaling - Norway and Netherlands
announce conditional withdrawal
from whaling convention

Contents as per title.

FAO:

M

Anonymous (1959) 59-4727
Comm.Fish.Rev., 21(3):61-2
Canada - East coast scallop fishery
trends, 1957

Contents as per title.

FAO

M

Anonymous (1959) 59-4725
Comm.Fish.Rev., 21(3):59
Australia - Reaction to Russian
whaling fleet expansion

Contents as per title.

FAO

M

Anonymous (1959) 59-4728
Comm.Fish.Rev., 21(3):62
Canada - Prospects for North Atlantic
haddock catch

Contents as per title.

FAO

II

Anonymous (1959) 59-4729
Comm.Fish.Rev., 21(3):63
Canada - Transplanted British oysters
grow in Atlantic waters

Contents as per title.

FAO: M

Anonymous (1959) 59-4732
Comm.Fish.Rev., 21(3):65
Cuba - Development of bonito
fishery

Contents as per title.

FAO: M

Anonymous (1959) 59-4730
Comm.Fish.Rev., 21(3):63-4
Chile - Northern area has good
prospects for fisheries development

Contents as per title.

FAO: M

Anonymous (1959) 59-4733
Comm.Fish.Rev., 21(3):66-8
German Democratic Republic - Fishing
fleet expansion includes plans for
20 large stern trawlers

Contents as per title.

FAO: M

Anonymous (1959) 59-4731
Comm.Fish.Rev., 21(3):64-5
Costa Rica - Amendments to maritime
fish and game law

Contents as per title.

FAO: M

Anonymous (1959) 59-4734
Comm.Fish.Rev., 21(3):68
Ghana - Plans for development of
fisheries

Contents as per title.

FAO: M

Anonymous (1959) 59-4735
Comm.Fish.Rev., 21(3):68-9
Guatemala - United States firm plans
to fish for shrimp in Guatemalan waters

Contents as per title.

FAO: M

Anonymous (1959) 59-4736
Comm.Fish.Rev., 21(3):69-71
Hong Kong - Shrimp fishing industry

Contents as per title.

FAO: M

Anonymous (1959) 59-4738
Comm.Fish.Rev., 21(3):71
Iceland - Fisheries trends,
January 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-4739
Comm.Fish.Rev., 21(3):71-3
India - Development of marine
fisheries conference

Contents as per title.

FAO: M

Anonymous (1959) 59-4737
Comm.Fish.Rev., 21(3):71
Iceland - Fisheries trends, December
1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4740
Comm.Fish.Rev., 21(3):73
Iran - Proposes 12-mile territorial
sea off coast

Contents as per title.

FAO: M

Anonymous (1959) 59-4741
Comm.Fish.Rev., 21(3):73
Ireland - Five-year plan provides
US\$8.4 million for fisheries
development

Contents as per title.

FAO:

M

Anonymous (1959) 59-4744
Comm.Fish.Rev., 21(3):74-5
Japan - Reaction to North Pacific
salmon conferences

Contents as per title.

FAO:

MF

Anonymous (1959) 59-4742
Comm.Fish.Rev., 21(3):73
Israel - Trawlers to fish off Canary
islands

Contents as per title.

FAO:

M

Anonymous (1959) 59-4745
Comm.Fish.Rev., 21(3):76-7
Japan - Tuna industry and control
of Atlantic tuna fishing and
exporting

Contents as per title.

FAO:

M

Anonymous (1959) 59-4743
Comm.Fish.Rev., 21(3):74
Japan - Fishing industry recommendations
for conference with Russia

Contents as per title.

FAO:

MF

Anonymous (1959) 59-4746
Comm.Fish.Rev., 21(3):77-8
Republic of Korea - Fisheries trends,
December 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-4747
Comm.Fish.Rev., 21(3):78-9
Mexico - Bureau of fisheries may be
transferred to Ministry of Industry and
Commerce in 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-4750
Comm.Fish.Rev., 21(3):79
Mexico - West coast shrimp fishery
trends, December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4748
Comm.Fish.Rev., 21(3):79
Mexico - Merida shrimp fishery trends,
December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4751
Comm.Fish.Rev., 21(3):79-80
Morocco - Agar-agar industry

Contents as per title.

FAO: M

Anonymous (1959) 59-4749
Comm.Fish.Rev., 21(3):79
Mexico - Veracruz fishery trends,
October-December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4752
Comm.Fish.Rev., 21(3):80-4
Morocco - Status of fisheries

Contents as per title.

FAO: M

Anonymous (1959) 59-4753
Comm.Fish.Rev., 21(3):85
Norway - Purse seiners using more
nylon nets in winter herring fishery

Contents as per title.

FAO:

M

Anonymous (1959) 59-4756
Comm.Fish.Rev., 21(3):86
Panama - Decree extends territorial
waters to 12 miles

Contents as per title.

FAO:

M

Anonymous (1959) 59-4754
Comm.Fish.Rev., 21(3):85
Norway - Seine fishing in the Lofoten
area prohibited

Contents as per title.

FAO:

M

Anonymous (1959) 59-4757
Comm.Fish.Rev., 21(3):86
Peru - Hunting for sea lions
prohibited

Contents as per title.

FAO:

M

Anonymous (1959) 59-4755
Comm.Fish.Rev., 21(3):85-6
Panama - Bait fishing permitted in
1958-59 closed season

Contents as per title.

FAO:

M

Anonymous (1959) 59-4758
Comm.Fish.Rev., 21(3):86-7
Philippines - Fisheries development
aided by intense research program

Contents as per title.

FAO:

M

Anonymous (1959) 59-4759
Comm.Fish.Rev., 21(3):88
Spain - California-type tuna clipper
starts winter season with good trip

Contents as per title.

FAO: M

Anonymous (1959) 59-4762
Comm.Fish.Rev., 21(3):90
Spain - Rehabilitation of shellfish
resources planned

Contents as per title.

FAO: M

Anonymous (1959) 59-4760
Comm.Fish.Rev., 21(3):88
Spain - Cod fishery trends

Contents as per title.

FAO: M

Anonymous (1959) 59-4763
Comm.Fish.Rev., 21(3):90-1
Spain - Tuna fishing vessels
operating off Dakar again in 1958/59

Contents as per title.

FAO: M

Anonymous (1959) 59-4761
Comm.Fish.Rev., 21(3):89
Spain - New fisheries laboratory in
Barcelona under construction

Contents as per title.

FAO: M

Anonymous (1959) 59-4764
Comm.Fish.Rev., 21(3):91
Spain - Vigo fisheries trends,
November 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4765
Comm.Fish.Rev., 21(3):91
Sweden - Herring catch for 1958 off
Iceland fair

Contents as per title.

FAO: M

Anonymous (1959) 59-4768
Comm.Fish.Rev., 21(3):93
United Kingdom - First transom stern
trawler built

Contents as per title.

FAO: M

Anonymous (1959) 59-4766
Comm.Fish.Rev., 21(3):92
Union of South Africa - New sardine
research vessel

Contents as per title.

FAO: M

Anonymous (1959) 59-4769
Comm.Fish.Rev., 21(3):93-5
United Kingdom - Government plans aid
to pilchard industry

Contents as per title.

FAO: M

Anonymous (1959) 59-4767
Comm.Fish.Rev., 21(3):92-3
United Kingdom - Experiments to
extend the life of salmon

Contents as per title.

FAO: MF

Anonymous (1959) 59-4770
Comm.Fish.Rev., 21(3):95
United Kingdom - Renewal of
negotiations on Iceland's fishing
limits extension to 12 miles proposed

Contents as per title.

FAO: M

Anonymous (1959) 59-4771
Comm.Fish.Rev., 21(3):95-6
Venezuela - Pearl fishing grounds
opened

Contents as per title.

FAO.

Godfrey, H. (1959) 59-4774
J.Wildlife Mgmt, 23:245-6
Living resources of the sea
Review of 582527.

FAO.

II

Anonymous (1959) 59-4772
Comm.Fish.Rev., 21(3):101-2
Department of State - United States
delivers note to Panama on 12-mile
territorial sea law

Contents as per title.

FAO:

II

Anonymous (1959) 59-4775
Caribbean, 13:39
Shrimp fishing result satisfactory -
Surinam

A short note on successful shrimp
fisheries in Surinam. Recently
catches have been as high as 21 tons
a day.

FAO:hr

MF

Jackson, H.O. & 59-4773
W.C. Starrett (1959)
J.Wildlife Mgmt, 23:157-68
Turbidity and sedimentation at lake
Chautauqua, Illinois

Discussion of the role of fish
activity & wind induced water motion
in disturbing the "false bottom" of
this lake, & of the role of vegetation;
& examination of the effect of
turbidity on the fish populations.

FAO:glk

F

King, G.C. (1959) 59-4776
New Phytol., 58(1):20-8
The nucleoli and related structures
in the desmids

The nucleoli of nineteen spp. from
thirteen genera of desmids have been
investigated, & in these, 4 main
types of nucleolar structure have
been found. The activity of the
nucleoli during mitosis & the
presence of nucleolar-organizing
chromosomes is described.

FAO:gck

F

Trainer, F.R. (1959) 59-4777
Amer.J.Bot., 46:65-70
A comparative study of sexual reproduction in four species of Chlamydomonas

Control of sexuality of 3 spp. by the level of ammonium nitrate in the medium & data on the influence of nitrogen level illumination & inter-fertility on the sexual reproduction of the spp.

FAO:tl

M

Glover, R.E. (1959) 59-4780
J.geophys.Res., 64:457-9
The pattern of fresh-water flow in a coastal aquifer

Formulas are developed for the flow pattern followed by the seaward-moving fresh ground water as it nears a beach. It is found that, under steady flow conditions, a sharply defined interface is formed between the fresh & salt water.

TL:reg

MF

Hope, E.R. (1959) 59-4778
J.geophys.Res., 64:407-27
Geotectonics of the Arctic ocean and the great Arctic magnetic anomaly

A tentative description of the structure of the Arctic ocean floor is presented, in terms of recent data from Soviet sources & of certain representative Soviet theories of Arctic tectonics. 2 theories of the great Arctic magnetic anomaly are compared.

TL:erh

M

Cooper, H.H., Jr. (1959) 59-4781
J.geophys.Res., 64:461-7
A hypothesis concerning the dynamic balance of fresh water and salt water in a coastal aquifer

Theoretical study of the dispersion of salts produced by reciprocative motion of the salt-water front & the influence of head losses on the distribution of salt water in the aquifer.

TL:tl

MF

Hunt, J.N. (1959) 59-4779
J.geophys.Res., 64:437-42
On the damping of gravity waves propagated over a permeable surface

The problem of the damping of small amplitude gravity waves propagated over a permeable sea bed is examined in terms of viscous-flow theory.

TL:jnh

M

Ryhänen, R. (1959) 59-4782
Suomen Kalastuslehti, 66:37-9
Sähkökalastus (Electrical fishing)

Continuation from 59-4052.

FAO:

MF

Orpana, V. (1959) 59-4783
Suomen Kalastuslehti, 66:40-5
Järvi- ja kalakulttuurin tutkimuskeskuksen
Keski-Suomessa (Lake trout fish-
cultural experience in Middle Finland)

Summary of experience gained in
culture of lake trout in ponds of
different size, on different ground &
with different physical-chemical
characters of water. Growth &
mortalities of trout of various age are
given.

FAO:t1

F

Fingerman, M., M.B. Lowe 59-4786
& B.I. Sundararaj (1959)
Biol.Bull., Woods Hole, 116(1):30-6
Dark-adapting and light-adapting
hormones controlling the distal
retinal pigment of the prawn
Palaemonetes vulgaris

The aim of the investigation was to
provide direct evidence for a distal
retinal pigment dark-adapting hormone
in Palaemonetes.

FAO:mf

M

Chang, J.J. & 59-4784
F.H. Johnson (1959)
Biol.Bull., Woods Hole, 116(1):1-14
The influence of pressure, temperature
and urethane on the luminescent flash
of Mnemiopsis leidyi

Study of pressure effect on flash
height at constant & at different
temperatures & influence of urethan on
flash responses at various pressures.

FAO:t1

M

Flemister, S.C. (1959) 59-4787
Biol.Bull., Woods Hole, 116(1):37-48
Histophysiology of gill and kidney
of crab Ocypode albicans

Investigation of the histophysiology
of gill, kidney & branchial
epithelium of Ocypode albicans was
undertaken with the special objective
of examining their role in the
transfer of the chloride ion.

FAO:scf

M

Davis, C.C. (1959) 59-4785
Biol.Bull., Woods Hole, 116(1):15-29
Osmotic hatching in the eggs of some
fresh-water copepods

Description of experiments indicating
the osmotic nature of hatching; test
of the permeability of the egg membranes;
observations on the bursting of the
inner egg membrane & attempts to
demonstrate the existence of a hatching
enzyme.

FAO:t1

F

Giese, A.C. & al. (1959) 59-4788
Biol.Bull., Woods Hole, 116(1):49-58
Organic productivity in the
reproductive cycle of the purple sea
urchin

Study of the increase in organic
constituents in the gonads during
their growth, to measure the
organic productivity of the sea
urchin.

FAO:t1

M

Goreau, T.F. (1959) 59-4789
Biol.Bull., Woods Hole, 116(1):59-75
The physiology of skeleton formation
in corals - I. A method for measuring
the rate of calcium deposition by
corals under different conditions

Description of a rapid method for
measuring the rate of incorporation of
calcium into the coral skeleton under
controlled laboratory conditions using
calcium-45 as tracer. Results of some
preliminary experiments are reported.

FAO:tl

M

Jones, N.S. & 59-4792
W.D. Burbank (1959)
Biol.Bull., Woods Hole, 116(1):115-24
Almyracuma proximoculi gen. et sp.
nov. (Crustacea, Cumacea) from
brackish water of Cape Cod,
Massachusetts

Description of the sp., systematic
remarks, habitat & general ecology.

FAO:tl

MF

Green, J.W. & al. (1959) 59-4790
Biol.Bull., Woods Hole, 116(1):76-87
The regulation of water and salt by the
fiddler crabs, Uca pugnax and Uca
pugilator

Report of detailed study of the
response of the body fluids & tissues
of Uca pugnax & U. pugilator to
prolonged exposure to concentrated
sea water.

FAO:jwg

M

Kleinholz, L.H. (1959) 59-4793
Biol.Bull., Woods Hole, 116(1):125-35
Purines and pteridines from the
reflecting pigment of the arthropod
retina

Identification of chemical components
of the reflecting pigment in the
retina of lobster, Homarus americanus,
& chelicerate, Limulus polyphemus.

FAO:tl

M

Jenkins, M.M. (1959) 59-4791
Biol.Bull., Woods Hole, 116(1):106-14
The effects of thiourea and some
related compounds on regeneration in
planarians

Study of the rate of growth of a new
tail by the body, & of the time
required for the appearance &
development of the regenerated organs
in the newly formed worm.

FAO:tl

F

Leedale, G.F. (1959) 59-4794
Biol.Bull., Woods Hole, 116(1):162-74
Periodicity of mitosis and cell
division in the Euglenineae

Deals with the periodicity of mitosis
revealed in the 20 spp. studied in
detail for this feature, &
relationship of the periodicity to
the day-night cycle.

FAO:gfl

F

Scheer, B.T. (1959) 59-4795
Biol.Bull., Woods Hole, 116(1):175-83
 The hormonal control of metabolism in crustaceans - IX. Carbohydrate metabolism in the transition from intermoult to premoult in Carcinides maenas

A study of a laboratory population of approximately 100 specimens of the crab Carcinides (= Carcinus) maenas, in which the content of total carbohydrate, total soluble polysaccharide, blood carbohydrate, blood lipochromes, & total non-protein nitrogen was

Tartar, V. (1958) 59-4798
J.exp.Zool., 139(1):1-31
 Induced resorption of oral primordia in regenerating Stentor coeruleus

Experimental work to test whether the regeneration primordium can be inhibited or reversed by grafting regenerators to non-differentiating stentors.

FAO:glk

F

59-4796
 (Card 2)
 determined on the individuals in samples drawn at intervals from the population.

FAO:bts

M

Ham, R.G. & 59-4799
 R.E. Eakin (1958)
J.exp.Zool., 139(1):33-53
 Time sequence of certain physiological events during regeneration in hydra

Experimental exposure of regenerating hydra to appropriate inhibitors for short intervals at various times during regeneration, from which to demonstrate the times during the regenerating period at which various processes are active.

FAO:glk

M

Stunkard, H.W. & 59-4797
 J.R. Uzmann (1959)
Biol.Bull., Woods Hole, 116(1):184-93
 The life-cycle of the digenetic trematode, Proctoeces maculatus (Looss, 1901) Odhner, 1911 /Syn. P. subtenuis (Linton, 1907) Hanson, 1950/, and description of Cercaria adranocerca n. sp.

Taxonomic description & life histories of the spp. which are parasites of clams, especially in Mytilus edulis.

FAO:tl

M

Ham, R.G. & 59-4800
 R.E. Eakin (1958)
J.exp.Zool., 139(1):55-68
 Loss of regenerative capacity in hydra treated with lipoic acid

Detailed account of the establishment of morphological stability in hydra exposed to lipoic acid which permanently blocks regeneration without any signs of toxicity to the organism.

FAO:glk

M

McLellan, H.J. & 59-4801

L. Lauzier (1957)
Pêche marit., 36(948):104
Refroidissement probable des eaux dans
l'Atlantique du nord-ouest (The
water in the north-west Atlantic will
probably cool down)

Long-term trends can be forecast with
some confidence. Considering the cyclic
nature of variations in the past & the
fact that a marked cooling has already
begun farther North, a net downward
trend in water temperatures around
eastern Canada is predicted for the
next 20 to 25 years.

:icnaf

M

Hansen, P.M. (1957) 59-4804

Copenhagen,
Fiskeribiologiske undersøgelser 1956
(Fishery investigations in 1956)

Summarizes extent & results of
investigations in Greenland waters in
1956 (Annu.Proc.I.C.N.A.F., 7, 1957).
Age distribution of cod in coastal
waters & fjords is represented in
detail & researches on herring,
salmon & trout are incl.

:icnaf

MF

Poirier, M. (1957) 59-4802

Actualités mar., 1(3):26-8
L'océanographie et les pêcheries
(Oceanography and fisheries)

Short review of effects of temperature
on distribution of cod, herring &
redfish.

:icnaf

M

Posgay, J.A. (1957) 59-4805

Nautilus, 71(2):55-7
The range of the sea scallop

From the north shore of the gulf of
St. Lawrence to Cape Hatteras.

:icnaf

M

Cushing, J.E., G.J. Ridgway 59-4803

& G.L. Durall (1957)
Biol.Bull., Woods Hole, 113(2):343-4
The preservation of intact erythrocytes
of marine vertebrates for blood
group research

Use of glycerol-freezing technique.

FAO:icnaf

M

Ronald, K. (1957) 59-4806

Canad.J.Res.(Zool.), 35(6):747-50
The metazoan parasites of the gulf
of St. Lawrence - II. Intobdella
curvunca sp. nov. (Trematoda:
Capsalidae)

E. curvunca sp. nov., trematoda:
Capsalidae, is described from
Hippoglossus hippoglossus from the
gulf of St. Lawrence.

:icnaf

M

Scattergood, L.W. (1957) 59-4807
Fish.Res.Bull., Me., (26):108 p.
A bibliography of the herring (Clupea harengus and C. pallasii)

Primarily biology. Emphasis on NW Atlantic. Not annotated.

:icnaf

II

Sindermann, C.J. (1957) 59-4810
J.Parasitol., 43(5):Suppl.42
Myxosporidiosis in immature sea herring from the gulf of Maine

IC

Scattergood, L.W. (1957) 59-4808
Spec.sci.Rep.U.S.Fish Wildl.Serv., (227):66 p.
English translations of fishery literature. Additional listing, 1957

A continuation of series begun by Washington State Department of Fisheries & continued by the US Fish & Wildlife Service.

:icnaf

M

Sindermann, C.J. (1957) 59-4811
J.Parasitol., 43(5):Suppl.43
Studies on the pathogenicity of Ichthyosporidium hoferi, fungus parasite of fishes

M

Sindermann, C.J. (1957) 59-4809
Anat.Rec., 128(3):622
Mass mortalities of marine fishes in the gulf of St. Lawrence, 1954-1956

II

Smidt, E. (1957) 59-4812
Greenland, 1957
De grønlandske rejefelters naturhistorie. Rejebestand og rejefiskeri ved Grønland (The natural history of the Greenlandic prawn grounds. Prawn stock and prawn fishery at Greenland)

Summarizes biology of Pandalus borealis in West Greenland waters, stressing the slow development in connection with the low temperature of the sea. The prawn grounds & the special community of animals inhabiting it are described. The Greenland prawn

59-4812
(Card 2)
fishery is described for the 3 main
areas.

:icnaf

M

Norway. Fiskeridirektøren (1957) 59-4816
Bergen
Norges fiskerier, 1955 (Fishery
statistics of Norway, 1955). En

Text & tables reporting the statistical
data on efforts & yields of the
Norwegian fisheries in 1955. Tables
XIX & XX give data on efforts & yields
of the fishery with lines & trawls
respectively in the West-Greenland
waters.

:icnaf

M

Somerville, G.M. & 59-4814
L.M. Dickie (1957)
Circ. Atlant. biol. Sta., (30):4 p.
Offshore scallop explorations - 1957

Describes positions & catches from
scallop beds on St. Pierre Bank &
eastern Nova Scotia banks.

:icnaf

M

Anonymous (1957) 59-4817
Ber. v. Grønland, Copenhagen, (9)
Fiskeriernes gang i 1956 (The
Greenlanders' fisheries in 1956)

A survey by districts. Incl.
statistical tables showing landings
& efforts, as well as tables indicating
the commercial culling of the cod, &
the quantities of cod used for salt
fish, dried fish & fillets. Also
incl. information on: halibut,
Greenland halibut, wolffish, sharks,
salmon, lumpfish, shrimp & others.

:icnaf

MF

Wise, J.P. (1957) 59-4815
Trans. Amer. Fish. Soc.,
Movements of cod from New Jersey winter
fishing grounds to New England banks

Preliminary results of tagging
experiments with internally anchored
Lea tags.

:icnaf

M

Anonymous (1957) 59-4818
Gab. Estudos das Pescas Lisbon, (34)
Statistical account of Portuguese
fisheries, 1938-1956. En Pr

Ill. in text, tables & figures the
great development of the Portuguese
fisheries during the period 1938-56
when a renewal of the fleet & a re-
organization of the fishing industry
resulted in an increased production.
By far the largest part of this
development concerns the cod fishing
fleet, operating in the ICNAF area.

:icnaf

M

<p>Anonymous (1957) 59-4819 <u>World Fish.</u>, 6(4):40-1 Asdic's future in fish finding</p> <p>Discussion of the use of Asdic & of a suggestion to commission of fish-searching vessel.</p> <p>FAO:glk M</p>	<p>Hardy, E. (1957) 59-4822 <u>World Fish.</u>, 6(9):64 Seabirds: the Guillemot family</p> <p>Appearance, distribution & habits of this bird.</p> <p>FAO:glk M</p>
<p>von Brandt, A. (1957) 59-4820 <u>World Fish.</u>, 6(4):48-9 Shell fishing methods in Brittany</p> <p>Ill. account of lobster pots & creels, & crab nets.</p> <p>FAO:glk M</p>	<p>Burdon, T.W. (1957) 59-4823 <u>World Fish.</u>, 6(9):78-84 Fishing is developing fast in Singapore</p> <p>General account of industry, grounds fished, methods used, disposal of catch.</p> <p>FAO:glk M</p>
<p>Anonymous (1957) 59-4821 <u>World Fish.</u>, 6(9):44-6 Why no porbeagle shark fishery?</p> <p>Review of the results of a prospecting cruise made by the BETTY LESLIE under the auspices of the White Fish Authority & discussion of why the prospects which it indicated were not pursued.</p> <p>FAO:glk M</p>	<p>Balls, R. (1958) 59-4824 <u>World Fish.</u>, 7(2):62-6 Overfishing or overfeeding? (3)</p> <p>Continuation of 59-2717, discussing raciation, age composition, & hydrographic changes.</p> <p>FAO:glk M</p>

The Conservation 59-4826
Foundation (1959)
New York, 30 p.
Annual report 1958

Account of the activities of this foundation, concerned with promotion of greater knowledge of the earth's resources, in the year 1958 during which "Living Resources of the Sea" by Walford, 582527, was published.

FAO:glk

MF

Rosenthal, H.L., P.R. Myers 59-4828
& H.K. Brunings (1958)
J.Hered., 49:238-42
Spinal curvature - A mutation in the swordtail, Xiphophorus

Describes the spontaneous appearance of inherited spinal curvature in Mexican swordtail hybrids, similar to that described previously for Lebistes.

FAO:glk

F

Gelfand, D.P. (Comp.) (1958) 59-4826
Washington, D.C., 340 p.
A Directory of Medical and Biological Research Institutes of the USSR

Gives name & address of institutions & name of director, or, in the case of University institutions, the names of occupants of chairs.

FAO:glk

MF

Menzel, R.W. (1958) 59-4829
J.Hered., 49:284
Further notes on the albino catfish

Record of observations of albino Ictalurus punctatus (Raf.).

FAO:glk

F

Deacon, G.E.R. (1959) 59-4827
Unesco Chron., 5(1-2):5-8
The future of marine sciences

Note on some aspects of oceanographic research & on how such research can be promoted, as background to the plans for the Unesco intergovernmental meeting, 1960, on international oceanographic vessels & the development of marine sciences.

FAO:glk

M

Western Australia. 59-4830
Fisheries Department (1958)
Monthly Service Bulletin, 7(12):141-52

Notes on staff and their activities, & on administrative actions - issuance of licenses etc. -; current notes on local fisheries & miscellaneous information - drawn from periodicals - from abroad.

GLK:glk

MF

Lane, C.E. (1959) 59-4831
Sea Frontiers, 5(1):7-13
Cobra of the sea

Semipopular description of Portuguese, man-of-war, Physalia physalis, & its poisonous effects on man & marine animals.

FiBotl

Long, E.J. (1959) 59-4834
Sea Frontiers, 5(1):41-54
Gold in them thar waves!

Popular review of the applied chemistry of sea water & economical deposits on sea floor.

FiBotl

M

Suarez-Caabro, J.A. (1959) 59-4832
Sea Frontiers, 5(1):14-22
Oceanography in Cuba

Notes on the available facilities, work in progress & future plans.

FiBotl

M

Randall, J.E. (1959) 59-4835
Sea Frontiers, 5(1):55-6
Fish imitates porcupine

Popular review of porcupine fish.

FiBotl

M

Miller, S. (1959) 59-4833
Sea Frontiers, 5(1):23-35
Hidden enemy in our harbors

Popular account of ecology & life histories of Teredinidae, Limnoria & Sphaeroma; damage done by them & measures taken to protect marine structures.

FiBotl

M

Chokder, A.H. (1958) 59-4836
Agric.Pakist., 9:259-309
Pond weeds of East Pakistan and their propagation

A preliminary catalogue of aquatic plants, containing a key to the identification of spp., short description of the forms with notes on propagation, distribution & vernacular names. A glossary of botanical terms is incl.

FAO:hr

F

Garcia del Cid, F. (1957) 59-4837
Inst.de Investigaciones Pesqueras,
Castellon

III Reunion sobre productividad y
pesqueras (3rd meeting on
productivity and fisheries)

Incl. summaries of a number of
lectures given at the meeting & of the
following discussions. The majority
of the lectures deal with problems
connected with the Spanish home fishery
& with relevant biological & hydro-
graphic researches. Incl. the following
papers: 59-3445, 59-3446, 59-4838,
59-4839 & 59-4840.

:icnaf

M

Arte, P. (1958) 59-4840
In "III Reunion sobre Productividad
y Pesqueras", by Garcia del Cid, F.,
Instituto de Investigaciones
Pesqueras, Castellon

Ayuda que puede prestar al estudio
de las pesqueras la anotacion de las
descargas totales en puerto
(Possible help for the study of the
fisheries from the annotation of
total landings in ports)

M

Margalef, R. (1957) 59-4838
In "III Reunion sobre Productividad y
Peşqueras", by Garcia del Cid, F.,
Instituto de Investigaciones Pesqueras,
Castellon
Productividad y sucesion
(Productivity and foodchain)

M

Rollefson, G. (1957) 59-4841
J.Cons.int.Explor.Mer, 23(1):
International Fisheries Convention
1946: report of the Ad Hoc Committee
established at the fourth meeting
of the Permanent Commission,
September 1955

Deals with: 1) Selectivity of meshes;
2) Assessment of long-term effects of
applying various codend mesh sizes;
3) Assessment of immediate effects of
applying various codend mesh sizes;
4) Report on size limits in relation
to the above results; 5) Alterations
or additions to annex II or article 6

Suau, P. (1957) 59-4839
In "III Reunion sobre Productividad y
Pesqueras", by Garcia del Cid, F.,
Instituto de Investigaciones Pesqueras,
Castellon

Prevision de cosechas por metodos
ictiologicos (Prediction of yields
based on biological research methods)

M

59-4841
(Card 2)
of the convention, concerning what
species of fish to include in the
list of spp. to be protected by size-
limits; 6) Recommendations for
further research. Gives a clear &
most valuable survey of the results
of the researches carried out in
connection with regulation of
fisheries.

:icnaf

M

Long, C.W. & 59-4843
 R.A. Arzylowics (1957)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (228) 17 p.
 Photographic device for accurately
 measuring fish

A photographic measuring device using
 2 cameras & strobe illumination is
 accurate to ± 0.05 centimeters with
 ideal subjects.

icnaf

MP

M

Taylor, C.C. (1957) 59-4846
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (213) 147 p.
 History of great fishery of
 Newfoundland

English translation of original
 article in French by R. de Loture,
 1949.

Meseck, G. (1957) 59-4844
Allg.FischwirtschaftZtg., 9(12):
 Seefischerei vor den Aufgaben unserer
 Zeit (Sea-fishery in relation to
 problems of our time)

Deals in summary form with the possible
 extent to which the resources of the
 sea & especially its resources of fish
 can help mankind to meet the
 increasing demands for food & raw
 materials. Stresses the necessity for
 close international cooperation. 2nd
 section deals more especially with the
 problems of the German fisheries &

Anonymous (1958) 59-4847
World Fish., 7(5):39-40
 Shrimp research proves case for
 22/23 mm mesh - Comparative trials
 carried out by Burnham Lab.

Notice of 583144.

FAO glk

M

59-4844
 (Card 2)
 their solution, & concludes with the
 statement that the general trend in
 food consumption points to an
 increasing use of fish.

icnaf

M

de Scissons, M. (1958) 59-4848
World Fish., 7(5):50-1
 Africa's man-made lakes - Commercial
 fisheries facing problems

Brief description of Kariba dam &
 discussion of its use for fisheries,
 referring to the problem of
 predators, gear to use, times of
 fishing, & markets.

FAO, IR

F

Anonymous (1958) 59-4849
World Fish., 7(7):43, 73
The whys and wherefores of the plaice
transplantation experiments

Description of the experiments &
explanation of their purpose.

FAO:glk

M

Kanaev, V.F. (1959) 59-4852
C.R.Acad.Sci.U.R.S.S., 125:1115-8
Novye dannye o rel'efe dna
tsentral'noi chasti Karolinskoi
kotloviny (Recent data on the
bottom relief of the central part of
the Caroline trough)

Annotation to follow.

FAO:

M

Bown, J. (1958) 59-4850
World Fish., 7(7):54-6
The shark fishery of the Bass strait

Description of the fishery, its
grounds, boat, gear, markets,
production.

FAO:glk

M

Neprochnov, Iu.P. (1959) 59-4853
C.R.Acad.Sci.U.R.S.S., 125:1119-22
Glubinnoe stroenie zemnoi kory pod
Chernym morem k iugozapadu ot Kryma
po seismicheskim dannym (The deep-
seated structure of the earth crust
underlying the Black Sea south-west
of the Crimea from seismic data)

Annotation to follow.

FAO:

M

Singer, B. (1958) 59-4851
World Fish., 7(8):52, 54
A pioneer of fishery research -
Sir D'Arcy Wentworth Thompson

Biographic note of this scientist,
with reference to the biography of him
written by Ruth Thompson

FAO glk

MF

Sysoev, N.M. (1959) 59-4854
C.R.Acad.Sci.U.R.S.S., 125:1123-5
O techeniakh v okeane (On
oceanic currents)

Annotation to follow.

FAO

M

Ulanovskii, I.B., N.I. Tarasov 59-4855
& Iu.M. Korovin (1959)
C.R.Acad.Sci.U.R.S.S., 125:1137-40
Vliianie morskikh zheludei na korroziiu
nerzhaveiushchikh stalei (The
effect of sea-acorns upon the corrosion
of stainless steels)

Annotation to follow.

FAO:

M

Baburina, E.A. & 59-4858
I.D. Kovaleva (1959)
C.R.Acad.Sci.U.R.S.S., 125:1349-52
Stroenie setchatki glaz kaspiiskikh
kilek (The structure of the eye
retina in Caspian Clupeonellae)

Annotation to follow.

FAO:

M

Buznikov, G.A. (1959) 59-4856
C.R.Acad.Sci.U.R.S.S., 125:1170-3
Vliianie iaitsevykh obolochek na
razvitie embrionov v'iuna (On the
influence produced by egg-membranes on
the development of embryos of
Misgurnus fossilis)

Annotation to follow.

FAO:

M

Goriacheva, G.I. (1959) 59-4859
C.R.Acad.Sci.U.R.S.S., 125:1356-8
O svoeobraznom al'gologicheskom tipe
ravninnoi reki (On the peculiar
algological type of a plain river)

Annotation to follow.

FAO:

F

Gusev, A.V., E.B. Zhukov 59-4857
& Iu.A. Strelkov (1959)
C.R.Acad.Sci.U.R.S.S., 125:1174-6
O zarazhennosti morskoi parazitami i
ego promyslovom ispol'zovanii
(On the infestation of Theregra chalcogramma Pal. with parasites, and its use
in fishery)

Annotation to follow.

FAO:

M

Dragomirov, N.I. (1959) 59-4860
C.R.Acad.Sci.U.R.S.S., 125:1374-7
Razvitie sistemy neiroepitelial'nykh
follikulov u lichinok aral'skogo
shipa Acipenser nudiiventris L.
(The development of the system of
neuro-epithelium follicles in larvae
of the Aralian Acipenser nudiiventris
Lov.)

Annotation to follow.

FAO:

MF

Buznikov, G.A. (1959) 59-4861
C.R.Acad.Sci.U.R.S.S., 125:1382-5
 O funktsional'nom znachenii
 gialuronidazy v ikre kostistyykh ryb
 (On the functional role of hyaluro-
 nidase in the eggs of Teleostei)

Annotation to follow.

FAO:

MF

Tanaka, J. (1958) 59-4864
Bull.Jap.Soc.sci.Fish., 24:601-7
 (On the stock of Octopus (Octopus)
vulgaris Lamarck, on the east coast
 of Bōso peninsula, Japan).
Ni En

Biological study using statistical
 data of the octopus fisheries &
 based upon the number of specimens
 taken in Uchiura bay near Kominato,
 dealing with migrating groups,
 maturation, breeding season, growth
 in weight, length-weight relation,
 diminution of the stock from

Craddock, J.M. & 59-4862
 C.A.S. Lowndes (1958)
Prof.Notes met.Off., Lond., (126)
 A synoptic study of anomalies of
 surface air temperature over the
 Atlantic half of the northern
 hemisphere

M

59-4864
 (Card 2)
 fishing & comparing the efficiency
 of octopus pot & handline.

SJH:glk

M

Hartman, W.D. (1958) 59-4863
Bull.Peabody Mus., (12):155 p.
 Natural history of the marine sponges
 of southern New England

M

Doi, T. (1958) 59-4866
Bull.Jap.Soc.sci.Fish., 24:608-12
 (A trial on estimating the abundance
 of population of the Pacific saury
Cololabis saira (Breevoort)).
Ni En

Estimate of population parameters on
 the assumptions that natural
 mortality did not change greatly in
 recent years & that fluctuations in
 recruitment are influenced by
 oceanographic conditions.

SJH:glk

M

Yasuda, H. (1958) 59-4867
Bull.Jap.Soc.sci.Fish., 24:613-5
(Implications of the scale ring - I.
The phenomenon of unformed rings on
the scales). Ni En

Observations on scales of Carassius
carassius given insufficient food,
with regard to position & number of
rings formed on scales at different
positions on the body.

SJH:glk

F

Nakagome, J. (1958) 59-4870
Bull.Jap.Soc.sci.Fish., 24:622-5
(Periodical changes of fishing
condition and body-length formation,
relations between both changes, and
the between northern and southern
fishing areas of big eyed tuna around
Midway, Hawaii, Marshall and Fanning
islands). Ni En

Rate of catch, & fork-length
frequency composition of catch, by
areas, with discussion of the areas
from which recruits are drawn.

SJH:glk

M

Choe, S. & 59-4868
Y. Ohshima (1958)
Bull.Jap.Soc.sci.Fish., 24:616-9
(The effect of transplantation on the
growth and shell form of the stunted
Japanese little necked clam, Tapes
japonica Deshayes). Ni En

SJH:x

Mitani, F. (1958) 59-4871
Bull.Jap.Soc.sci.Fish., 24:626-31
(Studies on the growth and age of the
yellow-tail, Seriola quinqueradiata
T. & S., found in Japan and the
adjacent region - I. A fundamental
consideration on age estimation by
vertebrae). Ni En

Description of the measurements made
& tabulation of results as range, mean
& standard deviation & coefficient of
variation, of each of the 3 measured
parts in each centrum of the vertebral
column of a fish 80 cm in fork length.
SJH:glk M

Iitaka, Y. (1958) 59-4869
Bull.Jap.Soc.sci.Fish., 24:620-1
On the weight of webbing in water

SJH:x

Takada, K. & 59-4872
J. Nishimoto (1958)
Bull.Jap.Soc.sci.Fish., 24:632-5
(Studies on the choline in fish - I.
Content of choline and the similar
substances in fishes). Ni En

Choline-content was estimated for
white & red muscles & viscera of
various fishes of migrating & demersal
habits - Trachurus japonicus,
Pagrus major, Doryteuthis blackeri,
Sphyrna zygaena, Cyprinus carpio &
Scomber japonicus. Its seasonal
variation was also measured.

SJH:glk

MF

Takada, K. & 59-4873

J. Nishimoto (1958)
Bull.Jap.Soc.sci.Fish., 24:636-9
(Studies on the choline in fish - II.
Decomposition of choline during the
spoilage of fish meats). Ni En

Experimental search for the original
substance of TMA in freshwater &
marine fish.

SJH:glk

MF

Saito, K. & 59-4876

M. Sameshima (1958)
Bull.Jap.Soc.sci.Fish., 24:648-50
(Studies on the biochemical change
in fish muscle - IX. On the proteolytic
activity of ordinary and dark muscle).
Ni En

Studies on Cyprinus carpio, Scomber
tapeinocephalus, Trachurus japonicus,
Sphyræna nigripinnus, Chrysophrys
major, Mustelus griscus.

SJH:glk

MF

Hashimoto, Y. & 59-4874

T. Okaichi (1958)
Bull.Jap.Soc.sci.Fish., 24:640-4
Trimethylamine oxide in fish muscle -
I. The origin of trimethylamine oxide
in goldfish muscle

Determination of TMO & TMA in the
muscle of Carassius auratus when fed
diets free of or containing TMO.

SJH:glk

F

Kikuchi, T. & al. (1958) 59-4877

Bull.Jap.Soc.sci.Fish., 24:651-5
(Polarographic studies of protein
contained in aquatic animal - II.
Specific difference shown in protein
wave). Ni En

Comparative observations of the wave
were made using 2 kinds of
ammoniacal cobaltic solutions
respectively containing divalent &
trivalent cobalt.

SJH:tk

M

Hashimoto, Y. & 59-4875

T. Okaichi (1958)
Bull.Jap.Soc.sci.Fish., 24:645-7
Trimethylamine oxide in fish muscle -
II. Trimethylamine oxide in the muscle
of eels kept in fresh and brackish
water

Examination of the effect of diet &
chlorinity of the medium on the TMO
concentration in the muscle of
Anguilla rostrata.

SJH:glk

MF

Suyama, M. (1958) 59-4878

Bull.Jap.Soc.sci.Fish., 24:656-9
(Changes in chemical compositions
during the maturation of rainbow
trout eggs). Ni En

Measurement of moisture, pH value,
total nitrogen, non-protein nitrogen,
protein nitrogen, ether extractives,
alcohol-chloroform extractives (crude
lipides), lipide-phosphorus, lipide-
nitrogen, ash, & consideration of
values obtained against maturity as
indicated by egg diameter & percentage
that ovary weight was of body weight.
SJH:glk F

Suyama, M., M. Kaneko 59-4879
& H. Omata (1958)
Bull.Jap.Soc.sci.Fish., 24:660-2
(Changes in amino acid composition of
protein during the maturation of
rainbow trout eggs). Ni En

Contents as per title.

SJH:glk

F

Hirao, S. & al. (1958) 59-4882
Bull.Jap.Soc.sci.Fish., 24:676-8
(Study on the green meat of tuna - II.
Quantitative differences of vitamin B
group and minerals in kidney between
green and normal bodies of yellowfin
tuna). Ni En

SJH:x

Migita, M. & 59-4880
S. Otake (1958)
Bull.Jap.Soc.sci.Fish., 24:663-70
(Influence of urea upon the binding
of some ionic dyes to proteins).
Ni En

Use of equilibrium dialysis to
examine the influence of urea on the
binding of methyl orange & methylene
blue to fish "actomyosins".

SJH:glk

MF

Hirao, S. & al. (1958) 59-4883
Bull.Jap.Soc.sci.Fish., 24:679-81
(Studies on the green meat of tuna -
III. A simple method to distinguish
greened body from normal one before
cooking). Ni En

SJH:x

Hirao, S. & al. (1958) 59-4881
Bull.Jap.Soc.sci.Fish., 24:671-5
(Study on the green meat of tuna - I.
Quantitative differences of vitamin
B group and minerals between the green
and the normal meat of precooked tuna).
Ni En

SJH:x

Ando, Y. & 59-4884
K. Inoue (1958)
Bull.Jap.Soc.sci.Fish., 24:682-6
(Studies on growth and toxin
production of Clostridium botulinum
type E in fish products - II. On the
nutritional requirements of
Clostridium botulinum type E).
Ni En

SJH:x

Tanaka, K. (1959) 59-4885
Bull.Jap.Soc.sci.Fish., 24:701-4
 (A study on the culture of the
 conchocelis of Porphyra tenera on the
 bottom of the sea). Ni En

Study carried out to establish the
 artificial culturing method of the
 conchocelis phase, using oyster shells
 as substrate, giving observations on
 the development of the filamentous
 thalli.

SJH:glk

M

Asakawa, S. (1959) 59-4888
Bull.Jap.Soc.sci.Fish., 24:714-8
 (Studies on freshness determination of
 fish meat by the distillation ratio
 of volatile acids - IX. On the
 applicability of D.R. value to the
 determination of the freshness of
 oyster). Ni En

SJH:x

Kobayasi, H. (1959) 59-4886
Bull.Jap.Soc.sci.Fish., 24:705-7
 (Studies on the scales of scorpaenoid
 fishes - II. Peculiarity in scale
 character of rock fish Apistus
carinatus (Bloch et Schneider)).
Ni En

Contents as per title.

SJH:glk

M

Hashimoto, K. & 59-4889
 F. Matsuura (1959)
Bull.Jap.Soc.sci.Fish., 24:719-23
 Multiple hemoglobins in fish

Demonstration of the presence of
 these haemoglobins in Seriola
quinqueradiata, Makaira mitsukurii,
Oncorhynchus keta, Salmo irideus &
Cyprinus carpio.

SJH:glk

MF

Mitani, F. (1959) 59-4887
Bull.Jap.Soc.sci.Fish., 24:708-13
 (On the spawning shoals of the yellow-
 tail, Seriola quinqueradiata T. & S.,
 migrating to the Danjo islands in the
 east China Sea). Ni En

Observations on the gonads of this sp.,
 caught in April & May, related on length
 & weight composition of catches &
 environmental conditions.

SJH:glk

M

Hashimoto, K. & 59-4890
 F. Matsuura (1959)
Bull.Jap.Soc.sci.Fish., 24:724-9
 Comparative studies on two hemoglobins
 of salmon

Separation of 2 components was
 effected by means of a zone electro-
 phoresis & some properties such as
 electrophoretic behaviour, heat
 coagulability, & solubility were
 compared between these components.

SJH:kh

MF

Matsuura, F., K. Hashimoto. 59-4891
 & N. Haruta (1959)
Bull.Jap.Soc.sci.Fish., 24:730-4
 (Chemical studies on the red muscle
 ("Chiai") of fishes - IX. Heat
 coagulability of red muscle myoglobin
 and blood hemoglobin). Ni En

Experimental determination of the
 characteristics of the heat coagulation
 curves of the following spp.: Thunnus
orientalis, Makaira mitsukurii,
Katsuwonus vagans, Seriola quinque-
radiata, Cololabis saira, Scomber
japonicus.

SJH:glk

M

Toyomizu, M., N. Enomoto 59-4894
 & Y. Tomiyasu (1959)
Bull.Jap.Soc.sci.Fish., 24:743-8
 (Preparation of quaternary ammonium
 salts from fish oil and their
 antibiotic action). Ni En

SJH:x

Katada, M., K. Zama 59-4892
 & H. Igarashi (1959)
Bull.Jap.Soc.sci.Fish., 24:735-8
 (Lipids of the muscle of tuna, Thynnus
orientalis - V. Further researches on
 the phosphoaminolipids). Ni En

Isolation & identification of
 components by paper chromatography &
 other techniques.

SJH:glk

M

Saito, T., K. Arai 59-4895
 & M. Matsuyoshi (1959)
Bull.Jap.Soc.sci.Fish., 24:749-50
 A new method for estimating the
 freshness of fish

SJH:x

Zama, K., M. Katada 59-4893
 & H. Igarashi (1959)
Bull.Jap.Soc.sci.Fish., 24:739-42
 (Egg lipids of a salmon, Oncorhynchus
keta - II. Conjugated lipids from salmon
 eggs). Ni En

Unfertilized & fertilized (after 24
 hours) salmon eggs, previously treated
 with acetone, were successively
 extracted with ethanol, petroleum ether
 & finally with boiling ethanol to yield
 lecithins, cephalins & sphingolipids.

SJH:kz

F

Migita, M., J. Matsumoto 59-4896
 & N. Aoe (1959)
Bull.Jap.Soc.sci.Fish., 24:751-9
 A comparative study on the
 extractability of muscle proteins of
 some animals

Comparison of the amounts of water-
 extractable proteins & non-myosins of
 muscles of various molluscs,
 crustacea & fish - freshwater &
 marine -, with measurement of relative
 intensity of streaming birefringence
 of the proteins in water & salt
 extracts.

SJH:glk

MF

Shimizu, C. & 59-4897
 T. Fukuhara (1959)
Bull.Jap.Soc.sci.Fish., 24:760-4
 (The catalytic action of blood and
 blood pigment on the oxidation of
 unsaturated fatty acid and hydrocarbon).
Ni En

Examination of the oxidative activity
 of the blood of Scomber tapeinocephalus
 Bleeker.

SJH:glk

M

Higashi, H. & al. (1959) 59-4900
Bull.Jap.Soc.sci.Fish., 24:776-80
 (The folic acid content of fish and
 shellfish). Ni En

Microbiological estimation of the
 amounts of folic acid (FA) has been
 carried out by the use of
Streptococcus faecalis as the test
 microbe.

SJH:hh

M

Yokoseki, M. (1959) 59-4898
Bull.Jap.Soc.sci.Fish., 24:765-9
 (Studies on the internal spoilage of
 fish-jelly products - III. Measurement
 of oxidation-reduction potential in fish-
 jelly products). Ni En

SJH:x

Hirao, S. & 59-4901
 R. Kikuchi (1959)
Bull.Jap.Soc.sci.Fish., 24:781-4
 (Fluorodermin, a new fluorescent
 hydrocarbon in the skin of fishes).
Ni En

Contents as per title.

SJH:glk

MF

Higashi, H. & al. (1959) 59-4899
Bull.Jap.Soc.sci.Fish., 24:770-5
 (The pantothenic acid content of fish
 and shellfish). Ni En

The pantothenic acid (PA) content in the
 tissues of various kinds of fish and
 shellfish has been determined by micro-
 biological assay - Skeggs, H.R. &
 Wright, L.D., 1944 - using Lacto-
bacillus arabinosus as the test microbe.

SJH:hh

M

Aikele, E. & al. (1958) 59-4902
Agenor-Verlag, Frankfurt/Main, 240 p.
Handbuch der Lochkarten-Organisation
 (Handbook of punch card methods)

Describes various kinds of punched
 cards for data storage & processing,
 & the machines for handling them.
 Incl. theory of data storage &
 retrieval.

FAO:sjh

G

Bottemanne, C.J. (1959) 59-4903
Amsterdam, North-Holland Publ.Co., 677 p.
Principles of fisheries development

Account of many aspects of marine fisheries considered from an economist's viewpoint, analysing the structure & dynamics of fisheries, & the conditions & means of their development.

FiB:glk

II

59-4905
(Card 2)
"error of the 1st kind" - & is published. These are seldom verified by independent replication. Possibility thus arises that the literature consists in part of false conclusions resulting from errors of the 1st kind in statistical tests of significance.

FAO:tds

G

Hardy, A. (1959) 59-4904
London, Collins, 322 p.
The open sea: its natural history - II.
Fish and fisheries

Continuation of "The Open Sea: The World of Plankton". Chapters on herring, plaice, gadoids & other fishes in North Sea & other waters fished by British vessels; parasites; overfishing; reptiles & marine mammals; benthos; fishing methods; place of ecology in fisheries research.

SJH:sjh

M

MacKinnon, W.J. (1959) 59-4907
J.Amer.statist.Ass., 54(285):164-72
Compact table of twelve probability levels of the symmetric binomial cumulative distribution for sample sizes to 1,000

A useful table for testing hypotheses based on the binomial probability $p = 1/2$, used in Fisher's sign test & tests between correlated proportions.

FAO:sjh

G

Sterling, T.D. (1959) 59-4905
J.Amer.statist.Ass., 54(285):30-4
Publication decisions and their possible effects on interferences drawn from tests of significance - or vice versa

In fields where statistical tests of significance are commonly used, research which yields nonsignificant results may not be published. Such research, being unknown to other investigators, may be repeated independently until eventually by chance a significant result occurs - an

Pritchard, D.W. & 59-4908
R.E. Bunce (1959)
Tech.Rep.Chesapeake Bay Inst., (17):
87 p.

Physical and chemical hydrography of the Magothy river

Fresh water inflow, distribution of $S\%$, T, O_2 & pH current velocities at the mouth of Magothy river & computation of exchange rates. Oceanographical data given as graphs.

FAO:tl

MF

Fischer, G. (1959) 59-4909
Tellus, 11(1):60-76
 Ein numerisches Verfahren zur Errechnung
 von Windstau und Gezeiten in Randmeeren
 (A numerical procedure for computation
 of piling up by winds and tides in
 adjacent seas). En

A finite difference method for
 determining water heights & movements
 in adjacent seas is developed. The
 vertically integrated equations of
 motion & the continuity equation are
 transformed into an explicit system of
 difference equations, which are solved

59-4909
 (Card 2)
 stepwise in time with an electronic
 computer.

FAO:gf M

Mayer, A.M. & 59-4912
 A. Poljakoff-Mayber (1959)
Physiol.Plant., 12(1):8-14
 The phototactic behaviour of
Chlamydomonas snowiae

Dependence of phototactic behaviour
 of Chlamydomonas on temperature,
 length of illumination, its intensity
 & wave length & effects of metabolic
 inhibitors on the phototaxis.

FAO:tl F

Bergquist, P.L. (1959) 59-4913
Physiol.Plant., 12(1):30-6
 The effect of cations and anions on
 the respiration rate of the brown
 alga, Hormosira banksii

Contents as per title.

FAO:tl M

Fonselius, S. & 59-4911
 G. Ostlund (1959)
Tellus, 11(1):77-82
 Natural radiocarbon measurements on
 surface water from the North Atlantic
 and the Arctic Sea

An apparatus for the extraction of
 carbon dioxide from 100 liters of sea-
 water using carbonate-free sodium
 hydroxide solution as absorbant liquid
 & its performance is described. A test
 series of 6 sea water samples is
 presented.

FAO:sf M

Cordes, W.C. (1959) 59-4914
Physiol.Plant., 12(1):62-9
 Description and physiological
 properties of lipid-containing,
 non-chlorophyllous cells in Elodea

Description of the morphological
 appearance of these cells, their
 response to affinity for various
 non-vital stains & some of their
 physiological properties.

FAO:wcc F

Shaw, J.T. & G.R. Garrison (1959) 59-4915
J.geophys.Res., 64:533-9
Formation of thermal microstructure in
a narrow embayment during flushing

Thermal microstructure formations,
coincident with the occurrence of
flushing in a narrow Puget Sound
embayment, have been observed &
measured with a high-sensitivity probe.

TL:sjts

M

Schiller, C.H. (Ed.) (1957) 59-4918
International Univ.Press, Inc.,
New York, 328 p.
Instinctive behavior - The development
of a modern concept

Assemblage of translations of papers
of historical significance to this
field, chosen to ill. the development
of behavioural studies from early
speculations to modern methods of
experimental analysis. Reference is
made to Betta splendens, Nannacara
annomala & Hemichromis bimaculatus.

FAO:glk

MF

Dean, L.A. (1959) 59-4916
J.geophys.Res., 64:585
The use of long-range streamflow
forecasts in the control of the
Columbia river power system

Abstr. of paper presented at Pacific
Northwest Regional Meeting, Portland,
Oregon, November 13-14, 1958.

TL:sjh

F

Anonymous (1959) 59-4919
New Scient., 5:1174
Plotting the deep currents

Note on plans for cooperative study
of counter-currents under the Gulf-
stream by National Oceanographic
Institute of UK & Woods Hole
Oceanographic Institute, USA.

FAO:sjh

M

Kuehl, D.W. (1959) 59-4917
J.geophys.Res., 64:585
Use of electronic computers in water
supply forecasting

Abstr. of paper presented at Pacific
Northwest Regional Meeting, Portland,
Oregon, November 13-14, 1958.

TL:sjh

F

Anonymous (1959) 59-4920
New Scient., 5:1202
Exploring a drowned port

Short note on work of SEA DIVER II, an
American vessel specially built for
undersea archaeological research &
fitted with magnetic detectors,
pressure hoses for mud clearing &
diving equipment.

FAO:sjh

M

Huokuna, K. (1959) 59-4921
FiskTidskr.Finl., (1):28-30
Om fiskmärkningar (On tagging of fish)

Review of the history of tagging; its use in fisheries research; review of tagging of various spp. in Finland & the types of tags used.

FAO:t1

MF

Nilsson, N.E. (1959) 59-4924
Svensk FiskTidskr., 68:34
En enkel elektrisk spärranordning för fisk (A simple electrical barrier for fish)

Description of a barrier in a small brook.

FAO t1

F

Kajosaari, H. (1959) 59-4922
FiskTidskr.Finl., (1):30-1
Ensomrig karp från Sovjetunionen (One summer old carp from USSR)

Description of the method of transport of live carp in plastic bags from USSR to Finland.

FAO:t1

F

Nilsson, N.E. (1959) 59-4925
Svensk FiskTidskr., 68:43-7
Under isen (Under the ice)

Popular review on availability of fish food organisms in icecovered lakes.

FAO:t1

F

Lindroth, A. (1959) 59-4923
Svensk FiskTidskr., 68:27-8
Anteckningar om sikungars beteende (Notes on the behaviour of the larvae of whitefishes)

Observations on the movement & feeding habits of Coregonus lavaretus & C. nasus larvae, born in hatchery.

FAO:t1

MF

Cronin, L.E. (1958) 59-4926
Chesapeake Biological Laboratory, 36 p.
Maryland Department of Research and Education - Annual report 1957

Section reprinted from 14th Annu. Rep. Md Bd nat. Resour. Organization & staff of department; account of Chesapeake bay studies on shellfish - oysters & clams -, crabs, fish & fisheries - white perch, fish eggs & larvae, freshwater fish distribution, yellow perch, Patuxent river fishes, striped bass, commercial catch programme -, & hydrography; Chincoteague bay studies; Inland

59-4926
(Card 2)

Resources Division work on pond & lake fish populations. Conservation education; publications; budget.

FiB:sjh

MF

Turnbull-Kemp, P.St.J. (1958) 59-4930
Rhod.agric.J., 55(6):637-40
Trout in Southern Rhodesia

There is an increased use of copper sulphate for control of intermediate hosts of trematode flukes, Cercaria spp.; as a rule Rhodesian trout waters are exceptionally soft & when copper sulphate is applied, mortality may be expected if concentrations exceed 3.0 l. As concentrations of 3.0 l are not effective against mollusca & Cercaria, it appears that the use of copper sulphate for the

Wood, J.W. & 59-4928
E.J. Ordal (1958)
Contr.Fish Comm.Ore., (25):38 p.
Tuberculosis in Pacific salmon and steelhead trout

Pathology & bacteriology of this disease in Oncorhynchus spp. & Salmo gairdnerii. Quantitative studies in Oregon rivers & hatcheries; observations of marked & sexually underdeveloped fish.

SJH:sjh

MF

59-4930
(Card 2)
purpose in view must be dangerous to trout.

sta

F

Dubey, G.P. (1959) 59-4929
Indian Fmg, 8(11):6-9
For its fish seed, M.P. can now depend on Narmada

Narmada R. in Madhya Pradesh, India, is an important source of adult table fish as well as young of major carps. The river also abounds in Mahseer. A judicious & extensive exploitation of the potential offered by the river is required.

sta

F

Anonymous (1959) 59-4932
Venezuela Up-to-date, 9(2):7
Trout now firmly planted in Andean waters

Trout, 1st introduced into the Venezuelan Andes in 1930 - laguna de Mucubají, a small mountain lake in Mérida state -, has been acclimatized in 6 lakes in this area, & is now incl. in the diet of the people. The Ministry of Agriculture & Livestock is constructing 2 dams, 1 to elevate the water level of L. Mucubají, & the other to harness the St. Domingo R. &

59-4932
(Card 2)
create an artificial lake in La
Victoria Valley, Mérida.

sta

F

Anonymous (1959) 59-4936
Peking Rev., 2(6):13-4
A visit to Shunteh county

Fish-breeding in ponds was
traditionally a main occupation of
Shunteh, near Canton-city, China.
About 2 fifths of the county's
cultivated area are given over to by
fish ponds. Some improvements in fish
cultivation are described.

sta

F

Anonymous (1959) 59-4934
News Dig., 10(2) 43-4
Transformation of Kerala's fishing
industry

Introduction of mechanized fishing off
the Kerala coast, India, training of
local fishermen in plying these craft,
boat-building & the setting up of an
ice & cold storage plant are some of the
major achievements of the Indo-Norwegian
Fisheries Project.

sta

M

Kumar, R., (1959) 59-4937
Indian Eng., 2(10):33-5
Shells can bring more foreign
exchange

2 shell-spp., Trochus niloticus &
Turbo marmoratus are of commercial
importance for the Andaman & Nicobar
islands. The studies of the
zoological survey of India on
breeding habits, age at maturity,
longevity & natural enemies of these
shells are briefly summarized & an
estimate is made of the density of
population. Recommendations on fishery
management & fishing methods.

sta

M

Spaas, J.T. (1959) 59-4935
Bull.agric.Congo belge, 50(1):117-30
La pisciculture intensive dans le Haut-
Katanga (Intensive pisciculture in
the Upper Katanga)

Results of exploitation of 5 fish ponds
with Tilapia spp. in the Wangermee
valley, Upper Katanga, Belgian Congo,
are reported. Some recommendations are
given after comparison of the amount of
distributed food & the production of the
ponds.

sta

F

Postel, E. (1958) 59-4938
Etud.Outre-Mer, 41(5):175-80
Recherches et industries annexes des
pêches maritimes dans les territoires
d'Outre-Mer (Research & industries
annex to marine fishery in the French
overseas territories)

Review of the technological research
& the industries connected with marine
fishery in the French overseas
territories. Some recommendations are
given for expanding research by the
CRSOM.(Office de la Recherche
Scientifique et Technique Outre-Mer).

sta

M

Gulland, J.A. (1958) 59-4939

Proc.Nutr.Soc., 17:132-6

The conservation of fish stocks

A short, non-mathematical, but clear account of the application of population dynamics to regulation of fisheries to increase yields & in other ways to improve the industry. Special reference to N. Sea demersal fisheries.

SJH:sjh

Burnet, A.M.R. (1959)

59-4942

N.Z.J.Sci., 2(1):46-56

Electric fishing with pulsatory direct current

Outlines further development of machine described by author in 1952, it is a larger version, powered by gasoline engine, & trials were made on brown trout & eels in a small New Zealand stream. Comparison of experimental fishing mortalities - by De Lury's method of cumulative catches - by various pulses & combinations; attractive effect by galvanotaxis & by forced swimming.

FAO:sjh

F.

Ohmi, H. (1958) 59-4940

Mem.Fac.Fish.Hokkaido Univ., 6(1):66 p.

The species of Gracilaria and Gracilaria from Japan and adjacent waters

Description of the spp. with key for taxonomic determination & notes on economic importance of the spp., incl. chemical composition & methods for crude agar manufacture.

FAO tl

M

Skerman, T.M. (1959)

59-4943

N.Z.J.Sci., 2(1):57-64

Marine fouling at the port of Auckland

Experiments show abundance, seasonal settlement & growth on non-toxic test panels of the principal spp.: diatoms, hydroids, polyzoa, serpulids, molluscs, barnacles & ascidians.

FAO:sjh

M

Taylor, F.W. (1959)

59-4944

N.Z.J.Sci., 2(1):41-5

Measurement of flow in a small stream

In connection with a research project at Taita experimental station, it was necessary to build a flow meter to measure stream flows ranging from 0.02 to 10 cusecs & recording accurately at low flows. The design, construction, & operation of a suitable flow meter are described.

FAO:fwt

F

Barber, N.F. (1959)

59-4944

N.Z.J.Sci., 2(1):99-108

A proposed method of surveying the wave state of the open ocean

Directional spectrum of waves & swell might be estimated quickly by an aircraft carrying a swept-frequency radar working at frequencies between 1Mc/s & 10Mc/s & using a long trailing aerial to get directivity. A system of floating buoys is also described, which may serve to measure the directional spectrum when the radio aircraft is to be calibrated experimentally against known sea-states.

FAO:nfb

M

Hurley, D.E. (1959) 59-4945

N.Z.J.Sci., 2(1), 137-47

Some features of the benthic environment in Cook strait

Underwater photographs taken during investigations on the nature of the sea-floor are of interest in interpreting the ecology of the outer sublittoral benthic communities. The more important photographs are reproduced with commentary & discussion.

Aggregations of ophiuroids shown in several photographs are similar to concentrations of ophiuroids reported from the North Atlantic.

FAO:deh

M

Stewart, H.B., Jr., G.G. 59-4948

Salsman & A.J. Goodheart (1959)

Program Paper presented at the Fortieth Annual Meeting of the American Geophys. Un., Washington, May 4-7, 1959

Surface and subsurface rotary currents measured at the outer edge of the continental shelf

Analyses of half hourly current observations in various depths made from anchored Roberts radio current buoy at the outer edge of the continental shelf near Georges Bank. Incl. also analyses of 6-hourly BT lowerings for discovery of internal waves.

:tl

M

Martineau, D.P. (1959) 59-4946

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

The Gulf stream as an equivalent-barotropic system

The cross-stream, seasonal, & down-stream variations are discussed from the results of the analysis of selected sets of hydrographic sections across the current.

:agu

M

Harleman, D.R.F. & 59-4949

J.M. Jordaan, Jr. (1959)

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

Density effects on time-dependent turbulent diffusion in an idealized estuary

Experimental investigations of density effects on turbulent diffusion.

:tl

MF

Neumann, G. (1959) 59-4947

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

On the dynamical structure of the Gulf stream as an equivalent-barotropic flow

Investigation of the main features of the Gulf stream & its horizontal-velocity profile by treating the stream as a non-accelerated equivalent barotropic flow, determined by pressure, Coriolis & frictional forces.

:tl

M

Pritchard, D.W. (1959) 59-4950

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

A test of mixing-length theories of vertical diffusion in an estuary and in a Pacific atoll lagoon

Comparison of "observed" & theoretical mixing lengths, with consideration of the stability parameter & influence of wind waves.

:tl

MF

Chappellear, J.E. (1959) 59-4951
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
A class of three-dimensional shallow-
water waves

Contents as per title.

:tl

Ichiye, T. (1959) 59-4954
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
A theory of storm surges on the
continental shelf

Long waves caused by a traveling
disturbance on a continental shelf of
uniform depth is discussed theoretically.

:agu

M

Hicks, B.L. (1959) 59-4952
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
The spectrum of small wind waves

Results of investigations of wind
waves in a lake.

:tl

Donn, W.L. & 59-4955
W.T. McGuinness (1959)
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
North Atlantic IGY ocean-wave results

Analyses of waves with different
periods & suggestion of their causes.

:tl

M

Pierson, W.J., Jr. (1959) 59-4953
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
A note on the growth of the spectrum of
wind generated gravity waves as
determined by non-linear considerations

Comparison of various theoretical forms
for the spectrum of a fully developed
sea at different wind speeds.

:tl

McGuinness, W.T. & 59-4956
W.L. Donn (1959)
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
Long-period ocean waves at Bermuda

Description of characteristic seiches
in the Bermuda area.

:tl

M

Ichiye, T. (1959) 59-4957
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959
 Circulation and water mass distribution
 in the Gulf of Mexico

Oceanographic data collected in the
 Gulf of Mexico since 1951 are analyzed.

sa3u

M

Tebble, N. (1959) 59-4960
Bull.Res.Coun.Israel, B8(1):9-30
 On a collection of Polychaetes from
 the Mediterranean coast of Israel

Reports on 48 spp. of which one is new
 indicating distributional ranges
 ecologically off the Israeli coast
 & geographically throughout the
 world.

FAO:hr

M

Takahashi, T. (1959) 59-4958
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959

The carbon dioxide exchange between
 the North and South Atlantic oceans and
 the atmosphere

Correlation of CO₂ concentrations in
 the atmosphere with the partial
 pressure of CO₂ in sea water.

atl

M

Kabata, Z. (1958) 59-4961
Ann.Mag.nat.Hist., Ser. 13, 1:331-6
Vanbenedonia krøyeri Malm, 1860: a
parasitic copepod

Ill. description of this sp. found,
 after lapse of a century since its
 discovery, on Chimaera monstrosa
 caught by EXPLORER with pelagic
 trawl in 1956 in the Shagerrak.

FAO: sjh

M

Broecker, W.S. & 59-4959
 E.A. Olson (1959)
Program Paper presented at the Fortieth
Annual Meeting of the American Geophys.
Un., Washington, May 4-7, 1959

Variations in atmospheric radiocarbon
 concentration over the last 2000 years

Analyses of the C¹⁴ measurements of
 dated plant samples & conclusion on the
 variations of CO₂ in the atmosphere & in
 deep water.

atl

M

Mason, J. (1958) 59-4962
Ann.Mag.nat.Hist., Ser. 13, 1:601-2
 A possible lunar periodicity in the
 breeding of the scallop, Pecten
maximus (L.)

Report of observations made at Port
 Erin, Isle of Man, 1951-52.

FAO: sjh

M

Jones, W.E. (1957) 59-4963
Ann.Mag.nat.Hist., 10(109):70-1
 A note on the genus Cordylecladia J.
 Agardh. (Algae Rhodophyceae)

M

John, C.E. (1957) 59-4966
Bull.Res.Inst.Univ.Travancore, 50(1)
 93-102
 Economic and life history of Macro-
brachium rosenbergii (De Man)

II

Kojima, Y. (1957) 59-4964
Bull.Mar.biol.Sta Asamushi, 8(2-4):59-61
 On the breeding of a periwinkle,
Littorivaga brevicula (Philippi)

II

Hall, T.H. (1957) 59-4967
Nature Mag., 50(3):124-6
 Crawfishing time

F

Johansson, J. (1957) 59-4965
Zool.Bidr.Uppsala, 32:81-91
 Notes on the littorinacean and
 stenoglossan genital organs, and a
 comparison with the Rissoacea

III

Kabata, Z. (1957) 59-4968
Parasitology, 47(1 & 2):165-7
 Note on a new host of Myxobolus
agelofini

II

Thomasson, K. (1959) 59-4969
Acta phytogeogr.suec., 42:83
Nahuel Huapi - plankton of some lakes
in an Argentine national park with
notes on terrestrial vegetation

F

Briggs, G.E. (1959) 59-4972
J.exp.Bot., 10:90-2
Bicarbonate ions as a source of carbon
dioxide for photosynthesis

F

Greenwood, A.D. (1959) 59-4970
J.exp.Bot., 10:55-68
Observations on the structure of the
zoospores of Vaucheria - II.

F

Willoughby, L.G. (1959) 59-4973
Trans.Brit.mycol.Soc., 42:67-71
A pure culture of Chytromyces aureus
Karling

F

Alfimov, N.N. & O.G. Mironov (1958) 59-4971
Bot.Zh., 43:1763-5
(The effect of diatomaceous plankton
of rivers on certain chemical indices
of water contamination). Ru

F

Inglis, G.E. (1959) 59-4974
J.Cuehett micr.Cl., 5(4):115-30
Submerged aquatic hyphomycetes

F

Blackman, G.E. & al. (1959) 59-4975
J.exp.Bot., 10:33-54
 The uptake of growth substances - I.
 Factors controlling the uptake of
 phenoxyacetic acids by Lemna minor

F

Kubicek, F. (1958) 59-4978
Sborn.Prac Tatransk.Narodn.Parku, 2:
 63-73
 (To the knowledge of the spring-
 zooplankton in Strbske Pleso).
Cz De

F

Lanjouw, J. & 59-4976
 F.A. Stafleu (Ed.) (1959)
Regnum Vegetabile, 15:249 p.
 Index herbariorum - Part I. The herbaria
 of the world (4th ed.)

F

Liebmann, H. (1959) 59-4979
Munchen, Oldenbourg, 161-320
 Handbuch der Frischwasser- und
 Abwasser-Biologie - Band II. Lieferung
 2 (Manual of freshwater and waste
 water biology - Vol. II.

F

Tunevall, G. (Ed.) (1959) 59-4977
Stockholm, Almquist & Wiksell, 453 p.
 Recent progress in microbiology -
 Symposia held at the VII International
 Congress for Microbiology, Stockholm

MF

Japan. Ministry of 59-4980
 Education (1959)
Tokyo, 41 p.
 Handbook of learned societies in
 Japan - Natural and applied sciences

MF

Boschi, L.A., M.L. Fuster de 59-4981

Plaza & E.E. Boschi (1958)

Cienc. & Invest., 14(5):195-200

El termometro electrico con termistor y
su utilidad en hidrobiologia (The
electric thermometer with thermistor
and its utilization in hydrobiology)

MF

Butcher, R.W. (1959)

59-4984

Proc.Linn.Soc.Lond., 170:159-65

Biological assessment of river
pollution

F

Truelle, M.A. (1957) 59-4982

Ann.Acad.tschécosl.Agric., 30:859-79

(Investigation of waste waters at an
industrial pig fattening farm). Cz

F

Pentelow, F.T.K. (1959)

59-4985

Proc.Linn.Soc.Lond., 170:169-70

Sewage effluents and fish

F

Kent River Board (1959)

59-4983

Maidstone, 12 p.

The river Medway through Maidstone.

The improvement in eight years 1950-1958

F

Petter, A.E.J. (1959)

59-4986

Proc.Linn.Soc.Lond., 170:170-1

Pollution and the oxygen content
of river waters

F

Westlake, D.F. (1959) 59-4987
Proc.Linn.Soc.Lond., 170:171-2
The effects of organisms on pollution

MF

Fuster de Plaza, M.L. & 59-4990
E.E. Boschi (1958)
Publ.Dep.Invest.pesq.B.Aires, 7:49 p.
Estudio biologico pesquero de la
anchoita (Engraulis anchoita) de mar
del Plata - I. Analisis de los
caracteres meristicos (Biological
study on anchovies of the La Plata.
Analysis of meristic characters)

M

Swift, D.R. (1959) 59-4988
J.exp.Biol., 36:120-5
Seasonal variation in the activity of
the thyroid gland of yearling brown
trout Salmo trutta Linn.

F

Jones, J.W. (1959) 59-4991
New Naturalist Monogr., (16):192 p.
The salmon

MF

Jara, Z. (1959) 59-4989
Zool.Polon., 9:35-52
Observations on the "posthumous" action
of the heart in a rainbow trout embryo
(Salmo irideus Gibb.) affected with
Hydrocoele embryonalis

MF

Inger, R.F. & 59-4992
C.P. Kong (1959)
Fieldiana, Zool., 39(27):279-96
New species of fresh-water catfishes
from North Borneo

F

Wich, K. & 59-4993
 J.W. Mullan (1958)
Fish.Bull.Mass., (22) 27 p.
 A compendium of the life history and
 ecology of the chain pickerel Esox niger
 (LeSueur)

F

Machado-Cruz, J.A. (1959) 59-4996
Publ.Inst.Zool.Nobre, 64:12 p.
Lernaeocera caparti sp. nov. copepode
 parasite de Merluccius merluccius
 (Linné)

M

Kubicek, F. (1959) 59-4994
Mém.Soc.zool.tchécosl., 23:74-9
 (On the occurrence of Daphnia atkinsoni
 Baird and Mixodiaptomus kupelwieseri
 Brehm in Moravia). . Cz De

F

Braga, J.M. (1958) 59-4997
Publ.Inst.Zool.Nobre, 61 15 p.
 Un Asellus remarquable des eaux
 souterraines du Portugal (Asellus
pauloae n. sp.) (A remarkable
Asellus from the ground waters of
 Portugal, A. pauloae n.sp.)

F

Parsons, T. (1958) 59-4995
London, Abelard-Schuman, 126 p.
 How to make earthworms pay

F

Laurence, B.R. (1959) 59-4998
Proc.R.ent.Soc.Lond., 34A:34-6
 A gynandromorph of Taeniorhynchus
 (Mansonoides) uniformis (Theobald)
 (Diptera: Culicidae)

F

Krebs, H.A. & H.L. Kornberg (1957)
Ergebn. Physiol., 49:212-98
 Energy transformations in living matter.
 A survey. With an appendix by K. Burton.
 Free energy data of biological interest

59-4999

MF

Brachet, J. & E.E. Mirsky (1959)
 New York, Academic Press, 316 p.
 The cell - biochemistry, physiology,
 morphology - Vol. 1

59-5002

G

Bovet, D., F. Bovet-Nitti & G.D. Marini-Bettolo (Ed.) (1959)
 Amsterdam, Elsevier, 478 p.
 Curare and curare-like agents

59-5000

F

Schwartz, F.J. & J. Norvell (1958)
Ohio J. Sci., 58(5):311-6
 Food, growth and sexual dimorphism
 of the redside dace Clinostomus
elongatus (Kirtland) in Linesville
 creek, Crawford County, Pennsylvania

59-5003

F

Albe-Fessard, A., A. Fessard & L. Sollero (1959)
 In "Curare and Curare-Like Agents", by
 Bovet, D. & al. (Ed.), Elsevier,
 Amsterdam, 346-55
 Données comparées sur le comportement
 des organes électriques vis-à-vis des
 substances curarisantes (Comparative
 data on the behaviour of electric
 organs in contact with curare substances)

59-5001

MF

Prosser, C.L. & P.B. Van Weel (1958)
Physiol. Zoöl., 31(3):171-8
 Effect of diet on digestive enzymes
 in midgut gland of African giant snail,
Achatina fulica Fer.

59-5004

F

Volpe, E.P. (1957) 59-5005
Amer.Nat., 111(861):355-72
Genetic aspects of anuran populations

F

Dence, W.A. (1958) 59-5008
J.Parasitol., 44(3):334-8
Studies on Ligula-infected common
shiners (Notropis cornutus frontalis
Agassiz) in the Adirondacks

Infected in Wolf lake,
almost exclusively common shiners &
very occasionally cutlips & horned dace,
although several spp. of
minnows & suckers were present. Few
fish of breeding age were infected.
American mergansers & great blue
herons appear to be final hosts.

sha

F

Iwata, F. (1958) 59-5006
Embryologia, 4(2):103-31
On the development of the memertean
Micrura akkeshiensis

M

Dussart, B. (1957) 59-5009
Bull.Soc.zool.Fr., 72(2 & 3):169-80
Le genre Diaptomus (Crustacé copepode)
en France (The genus Diaptomus,
crustacean copepod, in France)

F

Oguro, C. (1957) 59-5007
J.Fac.Fish.Hokkaido Univ., (Zool.),
13(1-4):404-7
Notes on the change in the kidney of
Gasterosteus aculeatus aculeatus (L.)
caused by the estrogen administration

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Gastropoda

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Agg, A.R., G.E. Eden 59-5011
 & K.V. Melbourne (1957)
Proc.Soc.Wat.Treatn.Examin., 6 142-54
 A field test for radioactive strontium
 and barium in water under emergency
 conditions

The principal hazard involved in
 drinking water containing fission
 products is due to the ingestion of
 strontium-89 & barium-140, & a method
 has therefore been devised for the
 direct determination of these isotopes
 in the field, using a minimum of
 equipment.

twpa

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 serv. (Revision of the genus
Tettigades)

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 Biological station, London, Ont.

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Rev.Mus.La Plata (Zool.), 7 1-22
 Anotaciones sobre la morfologia de
Tropicorbis peregrinus (D'Orb)
 (Notes on the morphology of Tropicorbis
peregrinus D'Orb)

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J.bio.mys.biochem.zool., 3(5) 797-800
 Topography of the organic
 components in mother-of-pearl

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Canad.Ent., 90(10):623-7
Studies of the Byron Bog in south-
western Ontario - IX. Insects trapped as
adults emerging from Redmond's Pond

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Vajci, J. (1958) 59-5020
Hidrogr.Godišnjak, 1956-1957:207-16
Contribution to the knowledge of the
climate of Boka Kotorska

Observations on a meteorological
station in Boka Kotorska for a longer
lapse of time.

.mz

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Morović, D. & 59-5018
Š. Zupanović (1958)
Rijeka, 147 p.
Osnovi ribarstvene biologije
(Fundamentals of fisheries biology)

Notes on general biology with
reference to elements of fishery
biology.

.mz

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Matulić, M. (1958) 59-5021
Hidrogr.Godišnjak, 1956-1957:241-7
The development and the importance of
telecommunications of the marine
Department of Hydrometeorological
Service of Croatia at Split

Navigational warnings broadcasting
service for the shipping in coastal
navigation along the Eastern
Adriatic shore.

.mz

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Zore, M. (1958) 59-5019
Hidrogr.Godišnjak, 1956-1957:197-206
Notes on collecting methods of
oceanographic data on deep sea
measurements

Presents a short review of the
technique used with water bottles &
stationary current meters. Methods are
given for checking the depth at which
samples are taken, & for processing
both depth & temperature calculations.
Discussion of the methods by which ship
movements can be eliminated from
current meter data.

.mz

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Anonymous (1958) 59-5022
Hidrogr.Godišnjak, 1956-1957:7-15
Main institutions which took part in
the research of the Adriatic sea
during the year 1956 and 1957

Organization, cooperation in the
country, international cooperation,
vessels, equipment, library, aquarium
of the following institutions:
Hydrographic Institute of Yugoslav
Navy, Institute of Oceanography &
Fisheries at Split, Institute for
Marine Biology at Rovinj, Marine
Department of Hydrometeorological
Service of Croatia at Split.

.mz

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Anonymous (1958) 59-5023
Hidrogr.Godišnjak, 1956-1957:17-42
General review of works carried out and
researches made along the eastern coast
of the Adriatic sea during the year
1956 and 1957

Surveys & researches; issuance of
nautical charts,
navigational handbooks, physiographical
& biological publications;
meteorological, climatological
synoptical service; telecommunications
service.

mmz

Klak, S. (1958) 59-5026
Hidrogr.Godišnjak, 1956-1957:97-106
Determination of height differences
between the tide gauges on Yugoslav
coast

States that during the geophysical
year the starting level point of the
tide gauges along the Yugoslav coast
was coordinated.

mmz

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Anonymous (1958) 59-5024
Hidrogr.Godišnjak, 1956-1957:43-78
Oceanographic researches in the
Adriatic sea on the program of the
International Geophysical Year

Work of the subcommittee for
oceanography in the IGY. Plans & cruises,
methods of work.
Observations on meteorology,
currents, soundings, sea temperature,
salinity.

mmz

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Kasumović, M. (1958) 59-5027
Hidrogr.Godišnjak, 1956-1957:107-21
On the influence of air pressure and
wind to the oscillation of the level
of the Adriatic sea

The influence of slow & gradual
changes of air pressure on the mean
sea level were studied. Tabulates sea
level variations according to the
winds.

mmz

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Anonymous (1958) 59-5025
Hidrogr.Godišnjak, 1956-1957:79-94
Review of the conferences and
consultations held during the year
1956 and 1957

Short account of the work on several
meetings: Conference of National IGY
Committee, meetings of several subcommittees
2nd congress of the Yugoslav geologists,
conference on the overfishing problems
& oil pollution of the sea, & others.

mmz

Zupan, A. (1958) 59-5028
Hidrogr.Godišnjak, 1956-1957:123-51
Mean sea level at Split for the
period 1947 to 1957

Mean sea level observations at 2
points nearly Split. Comparison
Trieste-Split. Monthly mean sea
levels for Split, Bakar, Trieste &
Porto Corsini.

mmz

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Mošić, M. (1958) 59-5029

Hidrogr.Godišnjak, 1956-1957:153-62

On the positive movement of coastal line on the eastern shore of the Adriatic in postdiluvium

Geomorphological, stratigraphical, histori-graphical & tidal observations. Special attention is drawn to the tidal method.

mz

Kaj, J. (1958) 59-5032

Badania Fizjogr.polska, 4.213-8

Contribution to the biology and geographical distribution of Pelecus cultratus L. in the drainage basin of the Baltic

Alfirević, S. (1958) 59-5030

Hidrogr.Godišnjak, 1956-1957:163-89

Results of the morphological and geological research on marine sediments in the Middle Adriatic

Granulometric composition of the sediments in relation to the dynamics of the bottom water layers.

mz

Karaman, St.L. (1957) 59-5033

Folia balc., 1(10).57-70

Die Salmoniden des Radika-Flusses (The salmonids of the river Radika)

Lists spp. of Salmo in Yugoslav rivers & lakes.

:sjh

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Cvilić, V. (1958) 59-5031

Hidrogr.Godišnjak, 1956-1957:191-6

Radio-active isotopes in the oceanography

Some data on the quantity of radio-active elements - especially radium - in sea water & sediments; note on their origin.

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Koschin, N.I. (1957) 59-5034

Probl.Ichthyol., 8.8-18

(Contribution to the ichthyofauna of the Iran coast of the Caspian Sea).

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Kuz, Z. (1957) 59-5035
Acta Mus. Moraviae, 42:67-84
 Beitrag zur Kenntnis der Ichthyofauna
 im Donaugebiet der CSR (Contribution
 to the knowledge of the ichthyofauna
 in the Danube region of CSR)

Maul, G.E. (1957) 59-5038
Bol. Mus. Funchal, 10(25):5-21
 Further additions to the previously
 revised family Searsidae

3 new spp. in the ichthyofauna of
 Madeira: Barbantus curvifrons,
Moltbyrnia macrops n.sp. & a second
 sp. of Moltbyrnia, not defined, but
 described by the author as very near
 to Searsia schnakenbecki Freiff,
 1953.

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Kuz, Z. & 59-5036
 T. Weisz (1958)
Acta Mus. Moraviae, 43:145-74
 Ein Beitrag zur Erforschung der
 Ichthyofauna im Topafluss, Bezirk
 Bardejov (Nordostslovakei)
 (Contribution to the knowledge of the
 ichthyofauna in the Topa river,
 Bardejov district, NE Slovakia)

Newman, H.W. (1959) 59-5039
Copeia, 1959(1):76
 Observations on aggressiveness in
 sockeye salmon smolts

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Lambert, J.G. (1958) 59-5037
Rev. Zool. Bot. afr., 57(1-2):39-56
 Poissons Siluriformes et Cyprinodonti-
 formes récoltés en Guinée française,
 avec la description d'une nouvelle
 Microsynodontis (Silviiformes and
 Cyprinodontiformes collected in French
 Guinea with the description of a new
 Microsynodontis)

Nichols, J.T. (1958) 59-5040
Amer. Mus. Novit., 1876:1-7
 A new goby and other fishes from
 Formosa (Oxyurichthys formosanus,
 n.sp.)

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Parrott, A.W. (1958) 59-5041
Rec.Domin.Mus.Wellington, 3(2):109-19
 Fishes from the Auckland and Campbell
 islands

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 Weitere Mitteilung über die Fisch-
 fauna des Harzes (Further notes
 on the ichthyofauna in the Harz)

N

Pinto, S.Y. (1957) 59-5042
Bol.Mus.nac.Rio de J., 163:1-15
 Um novo Clinidae de ilha da Trindade,
 Brasil (Actinopterygii-Perciformes)
 (A new clinid from Trinidad island
 Brazil, Actinopterygii-Perciformes)

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Beitr.Naturk.Niedersachsens, 11(3)
 69-73
 Die Fischfauna des östlichen
 Niedersachsen (The ichthyofauna
 of the eastern Lower Saxony)

Preliminary list of spp. from Lower
 Saxony with reference to
 zoogeographical peculiarities.

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Pynnönen, A. (1957) 59-5043
Arch.Soc.zool.bot.fenn.Vanamo, 11(2):
 171-82
 Über die Reichlichkeit der Rische und
 Reptilen im Kirchspiel Komevesi einst
 und jetzt (On the abundance of
 fishes and reptiles in the Komovesi
 district once and now)

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Proc.Amer.phil.Soc., 102(3):281-320
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 and geographical distribution of the
 Cuban Poeciliid fishes of the tribe
 Girardinini

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Cement.biol., Helsingf., 16(16):1-117
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relicts of Northern Europe, with
remarks on their prehistory

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Ann.Mag.nat.Hist., 115:555-60
The rare shark Hemipristis elongata
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islands off Jaffna

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Nat.u.Landsch., 43(11):143-7
Niederösterreichs Fischfauna im
Wandel der Zeiten (Ichthyofauna
of Lower Austria)

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Zool., 23(4):599-604
A la recherche de Polyptères
(Polypteridae) au Congo Belge
(Research on polypterids in the
Belgian Congo)

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Annot.zool.jap., 31(1):49-52
Some rare fishes from Sagami bay, Japan

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Ann.Mus.Stor.nat.Genova, 71:71-2
 Primo reperto di un raro Mictofide:
Diaphus metoplocampus (COCCO) (Pisces,
 Iniomi) (First reference to a rare
 mictofid: Diaphus metoplocampus (COCCO),
 pisces, Iniomi)

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Travassos, H. (1957) 59-5056
Publ.avuls.Mus.nac.Rio de J., 20:21-7
 Sobre o material ictiologico coletado
 na excursao as zonas das estradas de
 ferro Noroeste do Brasil e Brasil-
 Bolivia, nos estados de Sao Paulo e
 de Mato Grosso, Brasil e Bolivia
 Oriental (Notes on ichthyological
 material collected during an
 expedition in the regions of the rail-
 ways Noroeste do Brasil e Brasil-
 Bolivia in the states of St. Paulo e
 Mato Grosso in Brasil e in western
 Bolivia,

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Tortonese, C. (1957) 59-5054
Boll.Mus.civ.Venezia, 10:121-8
 Su alcuni pesci eritrei e somali del
 Museo Civico di Storia Naturale di
 Venezia (On some fishes from
 Eritrea and Somaliland in the Museo
 Civico di Storia Naturale, Venice)

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 T. Shiokawa (1957)
Sci.Bull.Fac.Agric.Kyushu Univ., 16(2)
 275-312
 Studies on the flying-fishes of the
 Amakusa islands. 2-4

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 VII. From Rath, Co. Kerry (1950-1953)

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Dull.Biol.Med.exp.URSS, 62(4) 37-50
 (Lake and river trout in the basin of
 lake Imandra). Ru En

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Levende Nat., 61(2):32-4
Invasie van de makreelgeep op
Walcheren (Invasion of saury in
Walcheren)

Wilhelm, O.E. & 59-5062
A.L. Hulot (1957)
Bol.Soc.Biol.Concepción, 32:139-51
Pesca y peces de la isla de Pascua
(Fishery and fishes in the Easter
island)

Notes on catch in coastal waters with
list of local fishes.

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Irish Nat.J., 12(10):255-9
Reflections on the "List of Irish
Fishes"(1957)

Willgohs, J.F. (1957) 59-5063
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Some notes on Beryx decadactylus
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a special account of Norwegian
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Aust.Mus.Mag., 12(9):278
The moonfish or Opah in New South
Wales

Williams, F. (1958) 59-5064
E.Afr.agric.J., 24(1):61-3
A preliminary report on deep water
fishing off the North Kenya coast

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Fish collecting on coasts of Guianas
and Brazil

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(On the development of pike)

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Zool.Anz, 160(3-4):68-73
Die Entwicklung der Beschuppung des
Donau-Wildkarpfens (Development of
scales in the Danube-carp)

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Proc.Iowa Acad.Sci., 64(1957):657-66
Growth of the channel catfish,
Ictalurus punctatus (Rafinesque), in
some Iowa waters

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Ginogeneza la carasul argintiu
(Carassius auratus gibelio Bloch)
(Gynogenesis in silver carp, Carassius
auratus gibelio Bloch)

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Einige Erfahrungen mit der halb-
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glanis L.) in Pohorelice
(Some experiences with the semi-
artificial spawn of Silurus glanis L.
in Pohorelice)

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Proc.Indian Acad.Sci., 46B(6):347-75
 The development of the chondrocranium
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 A case of the Janus monstrosity found
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 On the spawning habits and early
 development of Wallagonia attu (Bloch
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 On the ecology and reproduction of the
 stoneloach Nemachilus barbatulus (L.)

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Ann.Sci.Univ.Jassy, 4(2/1):67-76
 Contribution à l'étude de la
 croissance et du développement de la
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 comparaison de sa croissance et de
 son développement en milieu naturel -
 II. (Contribution to the study of
 growth and development of carp in
 captivity, in aquarium, compared to
 its growth and development in
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Sieboldia, 2(1):19-29
 On the hardening of the chorion in the
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 of the cortical substance in chorion
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 Breeding habits and development of
Ambassis gymnocephalus (Lac.)

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 Early stages in the development of the
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 Bleeker

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 Notes on the early development of
Mugil cephalus Linnaeus

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 Die embryonale Entwicklung der
 Regenbogenforelle (Trutta gairdneri
irideus) (Embryo development in
 rainbow trout, Trutta gairdneri
irideus)

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Boll. Zool., 24(2):45-7
 Studi sui Plagiostomi - IX.
 Descrizione di un embrione di Mobula
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 Plagiostoma - IX. Description of an
 embryo of Mobula mobular Bonn.)

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Biol.Zbl., 76(4):453-66
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 fish

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Z.vergl.Physiol., 40:529-42
 Zur Gleichgewichtsorientierung
 schrägstehender Fische (On the
 stability orientation of inclined fish
 at rest)

Investigations on optical & static
 components of the vertical inclined
 position of Poecilobrycon eques -
 changing during the day & at night -
 of Phaenaria obliqua & Chilodus
parotilus - always the same.

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Ann.sci.Univ.Besançon, Ser.2, 6-7:175-8
 La perche goujonnière ou Grémille
 (Acerina cernua L.) peut être gardée
 en aquarium et servir à des recherches
 physiologiques (Apercina cernua can
 be kept in aquarium and be used for
 physiological investigations)

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 E. de Lutio (1957)
R.C.Accad.Lincei, 23(5):316-9
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 parte di Lebistes reticulatus e di
Gambusia holbrooki - Ricerche "in
 vivo" (The metabolism of
 testosterone in Lebistes reticulatus
 and Gambusia holbrooki - Research
 "in vivo")

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 A. Serfaty (1957)
Bull.Soc.Hist.nat.Toulouse, 92(3-4):
 205-17
 Activités cholinestérasiques chez
 les poissons dulcaquicoles
 (Cholinesterasic activity of fresh-
 water fishes)

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Annot.zool.jap., 30(4):204-10
 Seasonal changes in the ovary and
 testis of viviparous teleost, Ditrema
temmincki

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Ann.Histochim., 2(3):215-24
 Particularités histochimiques des
 cellules pigmentées du tissu périrénal
 chez le protoptère, Protopterus
anectens Owen (Histochemical
 particularities of pigment cells of
 the perirenal tissue in the protopter,
Protopterus anectens Owen)

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Zool.Polon., 8(2-3):113-29
 The blood coagulation system in carp
 (Cyprinus carpio L.)

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 The luciferin-luciferase reaction in a
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 of newly discovered luminescence

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Ann.Sci.Univ.Jassy, 3(1-2):18-32
 Etude physiologique du mode d'existence
 et du comportement de la truite de
 Bistrita et de Lacul Rosu. L'importance
 de l'hydrogène sulfuré pour la vie de
 la truite (Physiological study on
 the way of living and on the
 behaviour of trout in Bistrita and
 Lacul Rosu. The importance of
 hydrogen sulphide for the existence
 of trout)

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 & R. Moreau (1957).
Ann.sci.Univ.Besançon, Ser.2, 6-7:
 185-93
 Effets de l'histamine et des anti-
 histaminiques de synthèse sur le
 comportement des Céphalopodes et de
 quelques poissons marins (Effect
 of histamine and of synthetic anti-
 biotamines on the behaviour of
 cephalopods and some marine fishes)

Laurent, P. (1957) 59-5098
Physiol.comp., 4:346-56
 Le rôle de la région sino-auriculaire
 dans le fonctionnement cardiaque chez
 les téléostéens (The importance of
 the sino-auricular part for the
 cardiac function in teleosts)

MF

Julien, A. & 59-5096
 J. Ripplinger (1957).
Ann.sci.Univ.Besançon, Ser.2, 9:35-92
 Physiologie du coeur des poissons et
 de son innervation extrinsèque
 (Physiology of the heart of fishes and
 its extrinsic innervation)

Description of the activity of the
 heart in fish activity developed by
 2 kinds of nerve fibres on which
 different compounds exercise different
 effects.

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Minamori, S. (1957) 59-5099
J.Sci.Hiroshima Univ., 17B(7):55-64
 Physiological isolation in Cobitidae -
 V. Sterility of the hybrids between
 the mud loach and six races of spinous
 loaches

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Konishi, J. (1958) 59-5097
Zool.Mag., Tokyo, 67(3):88-94
 La reacción retiniana y su relación
 con la reacción eléctrica del centro
 visual en el pez, Carassius auratus L.
 (The reaction of the retina and its
 relation to the electrical reaction
 of the visual centre in Carassius
auratus L.)

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Minamori, S. (1957) 59-5100
J.Sci.Hiroshima Univ., 17B(8):65-119
 Physiological isolation in Cobitidae -
 VI. Temperature adaptation and hybrid
 inviability

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Amer.Scient., 45:218-44
Principles of modern limnology

A general review of lake physics &
the interactions of biological &
chemical factors - metabolism.

59-5103
(Card 2)
adequately characterized organic
compounds from terrestrial soils,
sewage & activated sludge.

FAO:wad

F

FAO:glk

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Yentsch, S.C. & 59-5102
J.F. Hebard (1957)
J.Cons.int.Explor.Mer., 22(2):184-90
A gauge for determining plankton
volume by the mercury immersion
method

Description of apparatus, results of
comparative tests.

FAO:sjh

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Dtsch.Fisch.Ztg., 4:83-7
Die Wirkung von Hypophyseninjektionen
auf Laichkarpfen (The influence of
hypophyse injection on breeding carps)

Description of the results of
experiments in different conditions
& in different fish farms.

FAO:tl

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Valentine, J.R. (1957) 59-5103
J.Fish.Res.Bd Can., 14(1):33-82
The molecular nature of organic matter
in lakes and oceans, with lesser
reference to sewage and terrestrial
soils

Extensive literature review
presenting information on the
isolation or identification of
adequately & inadequately characterized
organic compounds from the seston,
water - dissolved organic matter - &
sediments of lakes & oceans. The
isolation or identification of

Wyllie, J.C. (1959) 59-5106
London, Faber & Faber Ltd., 160 p.
The wastes of civilization

A history of the misuse of natural
resources; incl. chapter on pollution
of the oceans & rivers; moves to
control use & to conserve; the costs
of waste & of its prevention.

SJH:sjh

MF

<p>Nickel, E. (1957) 59-5107 <u>Z.vergl.Physiol.</u>, 40:42-64 Vergleichend experimentelle Untersuchungen über den Stoffwechsel des isolierten lebenden Kiemengewebes von Regenbogenforelle (<u>Trutta iridea</u> W.Gibb) (Comparative experimental investigation on the metabolism of isolated living gill tissue in rainbow trout)</p> <p style="text-align: right;">F</p>	<p>de Angelis, R. (1958) 59-5110 <u>Boll.Pesca</u>, 34(5-6):12-5 Lo studio del regime idraulico delle lagune a marea (The study of a hydraulic management in littoral lagoons)</p> <p>Reformulation of Bucchia's work, of 1875, on the characteristics of tidal exchange between the sea & a littoral lagoon through a narrow channel.</p> <p style="text-align: right;">GLK:glk MF</p>
<p>Oliva, O. (1957) 59-5108 <u>Acta Soc.Zool.Bohemoslov.</u>, 21(4):363-75 Some experiences with the use of fish poisons during the fish populations studies</p> <p style="text-align: right;">MF</p>	<p>Morello, M. (1958) 59-5111 <u>Boll.Pesca</u>, 34(2):1-6 Risultati di una indagine sulla campagna ittiogenica dei salmonidi (Anno 1954-55) (Results of an investigation on the ichthyogenic campaign of salmonids)</p> <p>Review of fry production by fishery establishments & commercial enterprises, fishery societies, & of the problems of development of inland fisheries.</p> <p style="text-align: right;">GLK:glk F</p>
<p>de Angelis, R. (1958) 59-5109 <u>Boll.Pesca</u>, 34(5-6):1-11 Nuovi indirizzi tecnici negli impianti di peschiere e lavorieri (New technical approaches in the installation of fish ponds)</p> <p>Account of new types of traps & barriers used in Italian valle & lagoons.</p> <p style="text-align: right;">GLK:glk MF</p>	<p>Anonymous (1958) 59-5112 <u>Boll.Pesca</u>, 34(2):9-10 La classificazione delle acque salmastre discussa al simposio internazionale di Venezia (The classification of brackish waters discussed at the international symposium at Venice)</p> <p>Notice of the symposium held in April 1958 under the aegis of the International Union of Biological Sciences.</p> <p style="text-align: right;">GLK:glk MF</p>

Day, A.A. (1959) 59-5113
Deep-Sea Res., 5:249-65
 The continental margin between Brittany
 and Ireland

Description of the topography &
 sediments of the continental slope.

FAO:t1

M

Northrop, J., M. Blaik 59-5116
 & R. Frassetto (1959)
Deep-Sea Res., 5:290-6
 Bathymetry of the Gibbs Hill area,
 Bermuda

Description of the bathymetry of the
 area as determined along a number
 of closely spaced sounding tracks.
 Notes on the accurate depth
 determination on the slopes.

FAO:t1

M

Schroeder, W.C. (1959) 59-5114
Deep-Sea Res., 5:266-82
 The lobster, Homarus americanus, and the
 red crab, Geryon quinque-dens, in the
 offshore waters of the western North
 Atlantic

Results of experimental fishing &
 statistics of commercial catches of
 lobster & red crab on the continental
 slope; notes on migrations of these spp.

FAO t1

M

Worthington, L.V. (1959) 59-5117
Deep-Sea Res., 5:297-305
 The 18° water in the Sargasso sea

Description of the characteristics
 of surface water in the northern
 Sargasso sea during the winter &
 the movements of this water out of
 the area of formation.

FAO:t1

M

Shor, G.G., Jr. (1959) 59-5115
Deep-Sea Res., 5:283-9
 Reflexion studies in the eastern
 equatorial Pacific

Results of seismic reflexion survey in
 the boundary regions of present-day
 clay & carbonate deposition.

FAO:t1

M

Folsom, T.R., F.D. Jennings 59-5118
 & R.A. Schwartzlose (1959)
Deep-Sea Res., 5:306-9
 Effect of pressure upon the
 'protected' oceanographic reversing
 thermometer

Determination of the errors, caused
 by pressure, in slightly differently
 constructed protected reversing
 thermometers.

FAO:t1

M

Hill, M.N. (1959) 59-5119
Deep-Sea Res., 5:309-11
 A ship-borne nuclear-spin magnetometer
 Description of the magnetometer.

FAO:tl

M

Jónsson, J. (1959) 59-5122
ICNAF Serial No. 593, 1 p.
 Iceland. Program of research in the
 ICNAF area, 1959

Report that sampling of commercial catches in subareas 1, 2 & 3, & that biological, hydrographical & experimental fishing research will be continued in subareas 2 & 3.

FiB:glk

M

Robinson, A. & 59-5120
 H. Stommel (1959)
Deep-Sea Res., 5:312-4
 Amplification of transient response of the ocean to storms by the effect of bottom topography

Theoretical consideration of the influence of bottom topography on the transient response of the ocean to short-period large-scale fluctuations in the wind.

FAO:tl

M

Wall, R.G.R. (1959) 59-5123
ICNAF Serial No. 601, 1 p.
 United Kingdom. Program of research in the ICNAF area, 1959

Report that selectivity & length composition studies will be continued.

FiB:glk

M

West Indies. Ministry of 59-5121
 Natural Resources & Agriculture (1959)
Trinidad, 24 p.
 West Indies Fisheries Bulletin no. 1

Monthly extension bulletin giving information on fisheries of the territories of the Federation & of other countries in the region, on the activities of international organizations concerned with fisheries, & on literature received.

FiB:glk

M

Mattisen, A.E., A.A. Kirillov 59-5124
 & V.N. Pospelov (1958)
Moskva, 428 p.
 Spravochnik po rybokhoziaistvennoi gidrotekhnike (Pocket guide to fishcultural hydrotechny)

Practical handbook of all engineering work for fish-culture; earth-moving, water control & lifting, construction of bunds, dams & other water retaining works; gates, locks, etc.; electrical installations; weed removal; concrete mixing, carpentry; with detailed standard tables for estimates.

FAO:glk

F

Mansueti, R.J. (1958) 59-5125
Maryland Tidew.News, 14:1, 4
 Brief squid discovered in Maryland
 part of Chesapeake bay

Note on the capture of Lollicuncula
brevis Blainville & on its life-history.

SJH:glk

MF

Cargo, D.G. (1958) 59-5128
Maryland Tidew.News, 14:6, 8
 Crabs retain dye from stained food

Note on the retention by crabs of
 neutral red, from pieces of fish fed
 to them, the dye then serving as a
 mark of these crabs.

SJH glk

MF

Butz, G. (1958) 59-5126
Maryland Tidew.News, 14:3, 4
 Age of fish revealed by its scales

Popular note on methods of study.

SJH:glk

MF

Das, I. (1958) 59-5129
Proc.nat.Inst.Sci.India, 24B:273-84
 Observation on the nutrition of the
 carp spawn of the Mahanadi river

Early carp spawn has been reared with
 zooplankton & various other feed with
 different combinations of protein, fat,
 carbo-hydrate, roughage & vitamins.
 The record of growth of various spp.
 & the total yield has been kept & the
 value of different type of food has
 been assessed.

FAO id

F

Beaven, G.F. (1958) 59-5127
Maryland Tidew.News, 14:5, 8
 Contribution of shell plantings to
 Maryland's oyster production

Discussion of the importance of
 cultch & of factors affecting setting;
 methods of planting shells & of
 determining the yields from them;
 variation in the profit from the use of
 shells.

SJH:glk

MF

Venkataraman, G.S. (1958) 59-5130
Proc.nat.Inst.Sci.India, 24B:307-13
 A contribution to the knowledge of the
 Diatomaceae of Kanya Kumari (Cape
 Comorin), India - II.

List of 27 spp., with notes on form,
 dimensions & habitat of each.

FAO:glk

M

Prasad, R.R. (1958) 59-5131
Proc.nat.Inst.Sci.India, 24B:214-24
 Notes on the habitat and habits of
Clevelandia ios (Jordan and Gilbert)

Short description of habitat & an
 account of experiments to analyse
 behaviour at various temperatures;
 analysis of stomach contents as
 approach to study of food & feeding
 habits.

FAO:glk

M

Maubouge, P.L. (1959) 59-5134
Bull.Soc.Sci.Nancy, 18(1):132-5
 Notes géologiques. Sur l'âge des
 sables eolieniens de Mamers (Sarthe)
 (Geological notes. On the age of the
 aeolian sands of Mamers, Sarthe)

Contents as per title.

FAO:glk

M

Prasad, R.R. (1959) 59-5132
Proc.nat.Inst.Sci.India, 25B 12-30
 Reproduction in Clevelandia ios (Jordan
 and Gilbert), with an account of the
 embryonic and larval development

Size at 1st maturity, breeding habits
 & sexual dimorphism, embryonic
 development & larval stages of the
 goby, Clevelandia ios.

FAO:rrp

M

Kobayashi, S. & 59-5135
 M. Mogami (1958)
Bull.Fac.Fish.Hokkaido, 9:29-24
 Effects of x-irradiation upon rainbow
 trout (Salmo irideus) - III. Ovary
 growth in the stages of fry and
 fingerling

Report of changes in ovary weight &
 ovary length in fish subjected to
 various levels of irradiation
 compared with those in controls.

FAO:glk

F

Veillet, A. & 59-5133
 F. Graf (1959)
Bull.Soc.Sci.Nancy, 18(1):123-7
 Dégénérescence de la glande androgène
 des crustacés décapodes parasités par
 les Rhizocéphales (Degeneration
 of the androgenous gland of decapod
 crustacea by rhizocephalans)

Anatomical & histological notes.

FAO:glk

M

Maeda, T. (1958) 59-5136
Bull.Fac.Fish.Hokkaido, 9:101-19
 (On the trawl fishing ground off the
 west coast of the Kamchatka peninsula)
 II En

Account of the fishing operations & of
 location of valuable grounds;
 tabulation of total catch of each sp.
 & of the average catch at different
 depths; estimate of area of valuable
 trawl ground; some results of tagging
 king crab.

FAO glk

M

Saito, T., K. Arai 59-5137
 & T. Tanaka (1958)
Bull.Fac.Fish.Hokkaido, 9:121-6
 (Studies on the organic phosphates in
 muscle of aquatic animals - VI. Effects
 of storing temperature upon the content
 of muscular nucleotides of squid).
 Ni En

Fresh muscles of squid were stored at
 -6°C for 50 hours or at 17°C for 24
 hours. The changes in amounts of
 nucleotides, nucleosides & purine bases
 during these periods of storage have
 been followed by the techniques
 described previously.

FAO:ts M

Fage, L. (1958) 59-5140
Ann.Inst.océanogr., Paris, 35(4):237-42
 Les campagnes scientifiques du
 bathyscaphe F.N.R.S. III 1954-1957
 (The scientific cruises of the
 bathyscaph F.N.R.S. III 1954-1957)

Paper no. 1 of "Résultats scientifiques
 des campagnes du bathyscaphe F.N.R.S.
 III 1954-1957". List of descents;
 collaborators; brief note on kinds
 of work done; chronological
 bibliography.

GLK:glk M

Ito, Y. (1958) 59-5138
Bull.Fac.Fish.Hokkaido, 9:127-37
 (Studies on crystalline whale insulin -
 IV. Structure of sperm- and sei-whale
 insulins). Ni En

Amino-acid composition.

FAO:glk M

Houot, G. (1958) 59-5141
Ann.Inst.océanogr., Paris, 35(4) 243-4
 Le bathyscaphe F.N.R.S. III et la
 recherche scientifique (The
 bathyscaph F.N.R.S. III and
 scientific research)

Paper no. 2 of "Résultats scientifiques
 des campagnes du bathyscaphe F.N.R.S.
 III 1954-1957". Brief note on
 development of this craft & the work
 done with it.

GLK:glk M

Fage, L. (1958) 59-5139
Ann.Inst.océanogr., Paris, 35(4) 237-341
 Résultats scientifiques des campagnes
 du bathyscaphe F.N.R.S. III 1954-1957
 (Scientific results of the cruises of
 the bathyscaph F.N.R.S. III 1954-1957)

Seven papers, 59-5140 to 59-5146,
 describing the bathyscaph & the work
 done with it.

GLK:glk M

Willm, P. (1958) 59-5142
Ann.Inst.océanogr., Paris, 35(4) 245-53
 Notes techniques (Technical
 notes)

Paper no. 3 of "Résultats scientifiques
 des campagnes du bathyscaphe F.N.R.S.
 III 1954-1957". General account, ill.,
 of the principles of this craft, its
 main parts, & the layout of the
 interior of the sphere.

GLK:glk M

Brouardel, G. (1958) 59-5143
Ann.Inst.océanogr., Paris, 35(4):255-8
 Appareils de prélèvements (Sampling
 apparatus)

Paper no. 4 of "Résultats scientifiques
 des campagnes du bathyscaphe F.N.R.S.
 III 1954-1957". III. account of
 apparatus for taking samples of water
 at chosen positions in the course of the
 descent or ascent of the bathyscaph.

GLK:glk

M

Trégouboff, G. (1958) 59-5146
Ann.Inst.océanogr., Paris, 35(4):
 327-41

Le bathyscaphe au service de la
 planctonologie (The use of the
 bathyscaph in planktonology)

Paper no. 7 of "Résultats scientifi-
 ques des campagnes du bathyscaphe
 F.N.R.S. III 1954-1957". Ecological
 & biological observations on plankton
 in the region of Villefranche-sur-mer
 made from the bathyscaph.

GLK:glk

M

Pérès, J.-M. (1958) 59-5144
Ann.Inst.océanogr., Paris, 35(4):259-85
 Remarques générales sur un ensemble de
 quinze plongées effectuées avec le
 bathyscaphe F.N.R.S. III (General
 remarks on a series of fifteen descents
 made with the bathyscaph F.N.R.S. III)

Paper no. 5 of "Résultats scientifiques
 des campagnes du bathyscaphe F.N.R.S.
 III 1954-1957". Account of observations
 made, from the bathyscaph, on
 temperature, currents & turbidity; & on
 the distribution & behaviour of pelagic
 & benthonic organisms.

GLK:glk

M

Atz, J.W. (1958) 59-5147
Anim.Kingd., 61:182-6
 A mouthful of babies

Breeding of Galeichthys felis in
 aquarium.

M

Bernard, F. (1958) 59-5145
Ann.Inst.océanogr., Paris, 35(4):287-326
 Plancton et benthos observés durant
 trois plongées en bathyscaphe au large
 de Toulon (Plankton and benthos
 observed during three descents in the
 bathyscaph off Toulon)

Paper no. 6 of "Résultats scientifiques
 des campagnes du bathyscaphe F.N.R.S.
 III 1954-1957". Technique of enumeration;
 observations on variations in density
 of plankton; notes of the principal
 recognisable forms; on currents seston
 & benthos.

GLK:glk

M

Bainbridge, R. (1958) 59-5146
J.exp.Biol., 35(1):109-33
 The speed of swimming of fish as
 related to size and to the frequency
 and amplitude of the tail beat

MF

Balon, E. (1957) 59-5149
Mém.Soc.zool.tchécosl., 21(3):193-202
 K rastu a biometrike lariev mihule
 potočnej (Lampraea planeri Bloch, 1784)
 z riečky Lučina v Sliezsku
 (Contribution to the growth and biometry
 of larvae of the lamprey from the river
 Lučina in Silesia). En

Benl, G. (1958) 59-5152
 Datz, 11(2):33-7
Gyrinocheilus aymonieri (Tirant) 1883,
 šar "Alger-Fresser" (Gyrinocheilus
aymonieri Tirant 1883, the voracious
 eater of algae)

Systematics, morphology, behaviour
 in aquarium.

F

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F

Balon, E. (1958) 59-5150
Landwirtschaft, 5(2):289-301
 Frispevok k poznaniu veku a rastu
 plotice lesklej dunajskej (Rutilus rutilus
virgo) a charakteristike rastu
 niektorých rýb (A contribution to
 the age and growth of Rutilus rutilus
virgo and the characteristic of the
 growth of some other fishes). En

Gihar, J. (1957) 59-5153
Mém.Soc.zool.tchécosl., 21(4):311-25
 Potravní biologie larasa obecného
 (Carassius carassius m. humilis Heckel
 1840) (Food and feeding of
Carassius carassius m. humilis Heckel)
 En Ru Cs

F

F

Balon, E. (1957) 59-5151
Landwirtschaft, 4(5):961-86
 Vek a rast neresovčho stáda dunajského
 kapra sazana (Cyprinus carpio morpha
hungaricus Heck.) z Malého Dunaja nad
 Kolárovo (Age and growth of
 spawning shoal of the Danubian wild
 carp from the smaller Danube above
 Kolárovo). En

Gihar, J. & 59-5154
 S. Frank (1958)
Mém.Soc.zool.tchécosl., 22:13-30
 Potrava a rast perličky (Scardinius
erythrophthalmus Linnaeus)
 (Food and growth of Scardinius
erythrophthalmus Linnaeus).
 En Ru Cs

F

F

Desmarais, Y. (1958) 59-5155
Nat.canad., 85(4):73-8
Croissance et alimentation comparée de
la truite du parc des Laurentides et
de Rimouski (Growth compared to food
in trout of "parc des Laurentides et de
Rimouski")

A comparative study of marked
Salvelinus fontinalis in several lakes.

FAO:hr

Jenkins, R.M. (1957) 59-5158
Rep.Okla.Fish.Res.Lab., 60:1-21
Growth of white bass in Oklahoma

Greenwood, P.H. (1958) 59-5156
Int.Congress of Zool., Sect. II(2):1-3
Evolution and speciation in the
Haplochromis (Pisces, Cichlidae) of
lake Victoria

Jenkins, R.M. (1958) 59-5159
Proc.Okla.Acad.Sci., 38:157-72
The standing crop of fish in
Oklahoma ponds

Jackson, S.L., Jr. (1958) 59-5157
Proc.Okla.Acad.Sci., 38 146-54
Summary of a three-year census on lake
Eucha and Spavinaw lake, Oklahoma,
with comparisons of other Oklahoma
reservoirs

Misik, V. (1958) 59-5160
Biologicképrace, 4(6) 55-125
Mikrotrika Dunajského lagna
(Cyprinus carpio carpio L.) z
dunajského systému na Slovensku
(Biometrics of the Danube carp from
the Slovakian Danube)

Wathne, F. (1959) 59-5161
Comm.Fish.Rev., 21(4):1-26
Summary report of exploratory long-line
fishing for tuna in Gulf of Mexico and
Caribbean sea, 1954-1957

Gives results of subsequent long-line
cruises by the ORUGON & an analysis of
the environmental, geographical &
operational factors which have been
experienced.

FAO:efa

M

Southgate, B.A. (1959) 59-5164
Nature, Lond., 183:798-9
The metropolitan water board

Review of 59-5163.

GLK:

F

vanHaagen, R.H. (1959) 59-5162
Comm.Fish.Rev., 21(4):27-31
Fisheries instrumentation laboratory
offers biologists new research "tools"

Brief account of services of the
laboratory with notes on several ill.
examples of modern instrumentation
applied to fishery research.

FAO:efa

M

Llewellyn, J. (1959) 59-5165
Nature, Lond., 183:835
Relationship between Dictyocotyle and
Calicotyle

A criticism of the conclusions reached
by Dawes, B. & I. Griffiths, 584514.

GLK:wad

M

Taylor, E.W. (1958) 59-5163
London, Metropolitan Water Bd, 112 p.
Thirty-seventh report on the results
of the bacteriological, chemical and
biological examination of the London
waters for the years 1955-1956

F

Dawes, B. & 59-5166
I. Griffiths (1959)
Nature, Lond., 183:835-6
Relationship between Dictyocotyle and
Calicotyle

A reply to 59-5165.

GLK:wad

M

Scott, D. & 59-5167
 J.M. Rushforth (1959)
Nature, Lond., 183:836-7
 Cover on river bottoms

Describes the relationship between the covered bottom & size of the stones in the cover & discusses its ecological significance with respect to the population density of the macroscopic invertebrate fauna.

GLK:wad

F

Lamb, C.A., O.G. Bentley 59-5170
 J.M. Doattie (Ed.) (1958)
New York, Acad. Press, Inc., 410 p.
 Trace elements

Proceedings of the Conference held at the Ohio Agricultural Experiment Station, Wooster, Ohio, October 14-16, 1957. Contains in part material on the nutrition of algae.

wad

G

Bohlke, J.E. (1958) 59-5168
Bull. Fla. St. Mus., 3(4):173-8
 Studies on fishes of the family Characidae - 16. A new Hyphessobrycon from Costa Rica

Hewitt, E.J. (1959) 59-5171
Nature, Lond., 183:1009
 Inorganic micronutrients in physiology and agriculture

A review of 59-5170.

GLF wad

C

Anonymous (1959) 59-5169
Nature, Lond., 183:1005-6
 Expansion of marine research in the United States

Discusses a statement issued by the National Academy of Sciences National Research Council on the progress of needs of marine science in the USA.

GLK:wad

M

Anonymous (1959) 59-5172
Nature, Lond., 183:1023
 Fishing gear of England and Wales

Review of 59-1414.

GLK

MF

Graham, J.W. & S.C. Cooper (1959) 59-5173
Nature, Lond., 183:1050-1
Biological origin of manganese-rich deposits of the sea floor

Presents evidence from an analysis of a mud sample, indicating that a protein-rich exudate from Foraminifera can provide a substrate which promotes the growth of an unknown organism capable of extracting trace elements from sea waters.

GLK:wad

M

Carruthers, J.N. & al. (1959) 59-5176
Nature, Lond., 183:1084-7
Shorewards upslope of the layer of minimum oxygen off Bombay - its influence on marine biology, especially fisheries

Notes on earlier knowledge of upwelling in the Arabian Sea; description of the subsurface oxygen minimum layer & fish mortalities; vertical distribution of oxygen, phosphates, salinity & temperature off Bombay during October-November 1958, & description of the influence of the seasonal upwelling of oxygen minimum

van Heel, W.H.D. (1959) 59-5174
Nature, Lond., 183:1063
Audio-direction finding in the porpoise (Phocaena phocaena)

Describes experiments using underwater signals to determine acuity of perception of the direction of sound.

GLK wad

M

59-5176
(Card 2)

layer on the marine life & fisheries.

GLK:tl

M

Allen, A. & R.E. Alston (1959) 59-5175
Nature, Lond., 183:1064-5
Formation of purple pigment in Spirogyra pratensis cultures

Describes observations & experiments showing that this alga can form an iron-tannin pigment & discusses its significance in relation to toleration of certain natural environments.

GLK:wad

F

Marshall, N.B. (1959) 59-5178
Nature, Lond., 183:1100
Bear island cod

A review of 501501.

GLK:

M

Freeman, P. (1959) 59-5179
Bull. Brit. Mus. (nat. Hist.), 7(9) 393-437
 A study of the New Zealand Chironomidae
 (Diptera, Nematocera)

Walker, J.R. & P.J. Syrett (1959) 59-5182
Nature, Lond., 183:1193-4
 Effect of heavy water on the growth of
Chlorella vulgaris

Describes experiments with specific reference to growth inhibition & synthesis of chlorophyll in cultures grown on glucose.

GLK:wad

F

O'Rourke, F.J. (1959) 59-5180
Nature, Lond., 183:1192
 Serological relationships in the genus
Gadus

Describes these in G. callarias, G. aeglefinus & G. pollacius.

GLK:wad

M

Frowse, G.A. (1959) 59-5183
Nature, Lond., 183:1204-5
 Relationship between epiphytic algal species and their macrophytic hosts

Describes experiments to determine what species of epiphytes will develop on healthy hosts using a technique in which the host plants are first "cleared" by the use of "Katadyned" water which contains free silver ions in active form, & then transferred to fish ponds where the development of the epiphytes occurs; related this to fish culture.

GLK:wad

F

Ghiretti, F. (1959) 59-5181
Nature, Lond., 183:1192-3
 Cephalotoxin: the crab-paralysing agent of the posterior salivary glands of cephalopods

Describes procedure for extraction & purification of this protein from Sepia officinalis, indicates that a similar procedure can be followed with Octopus vulgaris & O. macropus, & describes methods of testing its effect on Eriphia spinifrons.

GLK:wad

M

Pratt, D.B. & G. Maddell (1959) 59-5184
Nature, Lond., 183:1208-9
 Adaptation of marine bacteria to growth in media lacking sodium chloride

Describes experiments using synthetic sea water lacking only sodium chloride.

GLK:wad

M

Barnes, H. (1958) 59-5185
London, G. Allen & Unwin, Ltd., 216 p.
Oceanography and marine biology: a
book of techniques

Parry, G., F.G.H. Holliday 59-5188
 & J.H.S. Blaxter (1959)
Nature, Lond., 183:1248-9
'Chloride-secreting' cells in the
gills of teleosts

Describes some experiments on &
 discusses the question of whether
 the acidophil cells of gills &
 pseudobranch are concerned with salt
 exchange.

GLK:wad

MF

Wells, A.L. (1959) 59-5186
London & New York, F. Warne & Co., 192 p.
Garden ponds, fish and fountains

Stubbings, H.G. (1959) 59-5189
Nature, Lond., 183:1282
Abnormal development of the basis in
Balanus amphitrite var. *stutsburi*
Darwin

Describes museum specimens - 19th
 century - showing the deformed basis
 characteristic of barnacles growing
 on unfavorable or toxic substances.

GLK:wad

M

U.K. Central Advisory 59-5187
 Water Committee (1959)
London, H.M.S.O., 20 p.
Report of the sub-committee on
information on water resources

Greenwood, P.H. (1959) 59-5190
Bull. Brit. Mus. (nat. Hist.), 5(7):163-218
The monotypic genera of cichlid
fishes in lake Victoria - Part 2;
and a revision of the lake Victoria
Haplochromis species (Pisces Cichlidae)
Part 3

Mortimer, C.H. (1959) 59-5191
Nature, Lond., 183:1305-6
The National Oceanographic Council

A review of 59-1827.

GLK:

M

Anonymous (1959) 59-5194
Comm. Fish. Rev., 21(4):37-8
California - Investigation of abalone
resources continued (M/V NAUTILUS and
diving boat MOLLUSK, cruise 58-N-2)

Contents as per title.

FAO.

M

Burkholder, P.R., L.M. 59-5192
Burkholder & J.A. Rivero (1959)
Nature, Lond., 183:1338-9
Chlorophyll a in some corals and
marine plants

Describes a study to assess the
chlorophyll potential of corals &
sea anemones & compares them with
other photosynthetic systems of
algae & flowering plants in a
tropical marine environment.

GLK:wad

M

Anonymous (1959) 59-5195
Comm. Fish. Rev., 21(4):38-9
California sardines - Landings in
1958 season best in seven years

Contents as per title.

FAO:

M

Fryer, G. (1959) 59-5193
Nature, Lond., 183:1342-3
Development in a mutelid lamelli-
branch

Describes the life-history of the
African Mutela bourguignati whose host
is Barbus altianalis radcliffei.

GLK: wad

F

Anonymous (1959) 59-5196
Comm. Fish. Rev., 21(4):41-2
Fish farming - FAO loans expert to
Fish and Wildlife Service

Contents as per title.

FA

F

Anonymous (1959) 59-5197
Comm.Fish.Rev., 21(4):42-3
Gulf exploratory fishery program -
Experimental mid-water trawl fishing
off the Mississippi delta (M/V OREGON
cruise 56)

Contents as per title.

FAO: M

Anonymous (1959) 59-5198
Comm.Fish.Rev., 21(4):45
Menhaden - United States landings,
1956-1958

Contents as per title.

FAO: M

Anonymous (1959) 59-5198
Comm.Fish.Rev., 21(4):43-4
Gulf exploratory fishery program -
Lampara seines and hauling equipment
tested off Florida west coast (M/V
GEORGE M. BOWERS cruise 16)

Contents as per title.

FAO: M

Anonymous (1959) 59-5201
Comm.Fish.Rev., 21(4):46-7
North Atlantic fisheries
exploration and gear research -
Commercial stocks of tuna found in
western North Atlantic (M/V DELAWARE
cruise 59-1)

Contents as per title.

FAO: M

Anonymous (1959) 59-5199
Comm.Fish.Rev., 21(4):44
Gulf exploratory fishery program -
Red snapper experimental trawling
continued (M/V SILVER BAY cruise 14)

Contents as per title.

FAO: M

Anonymous (1959) 59-5202
Comm.Fish.Rev., 21(4):47-9
Oceanography - Wider study of the
sea urged

Contents as per title.

FAO

Anonymous (1959) 59-5203
Comm.Fish.Rev., 21(4):49
Oregon - Fish and shellfish landings,
1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5206
Comm.Fish.Rev., 21(4):53
Striped bass - Survey shows excellent
crop of young in Chesapeake bay

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5204
Comm.Fish.Rev., 21(4):50
Pacific oceanic fishery investigations -
Skipjack tuna migration studies
initiated (M/V HUGH M. SMITH)

Contents as per title.

FAO:

M

Anonymous (1959) 59-5207
Comm.Fish.Rev., 21(4):54-5
United States fishing fleet
additions - November 1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5205
Comm.Fish.Rev., 21(4):51-2
Sea otter food habits under study

Contents as per title.

FAO:

M

Anonymous (1959) 59-5208
Comm.Fish.Rev., 21(4):60-1
International Pacific Halibut
Commission - Halibut regulations for
1959

Contents as per title.

FAO:

M

Anonymous (1959) 59-5209
Comm.Fish.Rev., 21(4):61
Northwest Pacific fisheries - Japanese-
Russian conference

Contents as per title.

FAO: MF

Anonymous (1959)
Comm.Fish.Rev., 21(4):63-5
Argentina - Fishing industry trends,
1957-1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-5210
Comm.Fish.Rev., 21(4):62
Whaling - Japan announces conditional
withdrawal from convention

Contents as per title.

FAO: M

Anonymous (1959) 59-5213
Comm.Fish.Rev., 21(4):65
Australia - Tuna catch good off
New South Wales

Contents as per title.

FAO: M

Anonymous (1959) 59-5211
Comm.Fish.Rev., 21(4):62-3
United Kingdom will not withdraw from
International Whaling Convention

Contents as per title.

FAO: M

Anonymous (1959) 59-5214
Comm.Fish.Rev., 21(4):65-6
Australia - Tuna fishing season in
1958 sets record

Contents as per title.

FAO: M

Anonymous (1959) 59-5215
Comm.Fish.Rev., 21(4):66
Australia - New South Wales shrimp
regulations

Contents as per title.

W

E

Anonymous (1959) 59-5218
Comm.Fish.Rev., 21(4):68-9
Chile - Licensing regulations for
foreign fishing vessels proposed

Contents as per title.

FAO

E

Anonymous (1959) 59-5216
Comm.Fish.Rev., 21(4):67-8
Canada - Progress report on control
of sea lamprey in Great Lakes

Contents as per title.

W

MF

Anonymous (1959) 59-5219
Comm.Fish.Rev., 21(4):69
Colombia - Amount of bond required
for shrimp fishing permit revised

Contents as per title.

FAO:

M

Anonymous (1959) 59-5217
Comm.Fish.Rev., 21(4):68
Ceylon - Fresh-water fisheries being
developed

Contents as per title.

FAO

F

Anonymous (1959) 59-5220
Comm.Fish.Rev., 21(4):69
Costa Rica - Spiny lobster landings
lower in 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-5221
Comm.Fish.Rev., 21(4):70-1
Denmark - Fishery trends, 1958
Contents as per title.

FAO: M

Anonymous (1959) 59-5224
Comm.Fish.Rev., 21(4):73
France - Largest tuna fishing vessel
launched
Contents as per title.

FAO: M

Anonymous (1959) 59-5222
Comm.Fish.Rev., 21(4):71
East Africa - Tuna stocks in Indian
ocean studied
Contents as per title.

FAO: M

Anonymous (1959) 59-5225
Comm.Fish.Rev., 21(4):73
Greece - Development of Atlantic
ocean fishery
Contents as per title.

FAO: M

Anonymous (1959) 59-5223
Comm.Fish.Rev., 21(4):72
Egypt - Fishing industry, 1957
Contents as per title.

FAO: MF

Anonymous (1959) 59-5226
Comm.Fish.Rev., 21(4):74
Greece - Sponge fishery, 1958
Contents as per title.

FAO: M

Anonymous (1959) 59-5227
Comm.Fish.Rev., 21(4):74
Iceland - Fishery landings, 1958

Contents as per title.

FAO

F

Anonymous (1959) 59-5230
Comm.Fish.Rev., 21(4):77-8
Liberia - fishing industry

Contents as per title.

FAO

MF

Anonymous (1959) 59-5228
Comm.Fish.Rev., 21(4):74-5
Iceland - Winter trawl fisheries
trends

Contents as per title.

FAO

M

Anonymous (1959) 59-5231
Comm.Fish.Rev., 21(4):78
Mexico - Shrimp landings in 1958
break record

Contents as per title.

FAO

M

Anonymous (1959) 59-5229
Comm.Fish.Rev., 21(4):77
Republic of Korea - Landings and
exports of fishery products, 1958

Contents as per title.

FAO

MF

Anonymous (1959) 59-5232
Comm.Fish.Rev., 21(4):78
Mexico - Merida shrimp fishery
trend

Contents as per title.

FAO

M

Anonymous (1959) 59-5233
Comm.Fish.Rev., 21(4):79
Mexico - Protocol to International
Whaling Convention approved

Contents as per title.

FAO:

M

Anonymous (1959) 59-5236
Comm.Fish.Rev., 21(4):81-2
Norway - Winter herring fishery

Contents as per title.

FAO

M

Anonymous (1959) 59-5234
Comm.Fish.Rev., 21(4):79-80
Morocco - Sardine vessel outfitted with
electrical fishing equipment

Contents as per title.

FAO:

M

Anonymous (1959) 59-5237
Comm.Fish.Rev., 21(4):82
Norway - Winter herring schools
arrive late

Contents as per title.

FAO

M

Anonymous (1959) 59-5235
Comm.Fish.Rev., 21(4):80-1
Netherlands - Annual whaling report
for 1957-58

Contents as per title.

FAO:

M

Anonymous (1959) 59-5238
Comm.Fish.Rev., 21(4):82
Norway - Winter herring fisheries
hampered by storms

Contents as per title.

FAO

M

Anonymous (1959) 59-5239
Comm.Fish.Rev., 21(4):83
Pakistan - Japanese continue to show
interest in development of East
Pakistan fisheries

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5242
Comm.Fish.Rev., 21(4):84-5
Peru - Fisheries trends, fourth
quarter 1958

Contents as per title.

FAO

M

Anonymous (1959) 59-5240
Comm.Fish.Rev., 21(4):83
Panama - Shrimp fishery trends, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-5243
Comm.Fish.Rev., 21(4):85
Poland - Fishery landings, 1958

Contents as per title.

FAO

MF

Anonymous (1959) 59-5241
Comm.Fish.Rev., 21(4):83-4
Panama - Laws and regulations affecting
shrimp fishery

Contents as per title.

FAO:

M

Anonymous (1959) 59-5244
Comm.Fish.Rev., 21(4):86
Portugal - Sardine landings in 1958
break record

Contents as per title.

FAO

M

Anonymous (1959) 59-5245
Comm.Fish.Rev., 21(4):86
Portugal - Fisheries trends, October
1958

Contents as per title.

FAO: II

Anonymous (1959) 59-5248
Comm.Fish.Rev., 21(4):88-9
Spain - Fisheries labor problems

Contents as per title.

FAO: M

Anonymous (1959) 59-5246
Comm.Fish.Rev., 21(4):87
Singapore - Japanese to train local
fishermen

Contents as per title.

FAO: M

Anonymous (1959) 59-5249
Comm.Fish.Rev., 21(4):89
Sweden - Sea fishery laboratory
research program for 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-5247
Comm.Fish.Rev., 21(4):88
Spain - Territorial waters

Contents as per title.

FAO: M

Anonymous (1959) 59-5250
Comm.Fish.Rev., 21(4):90
Taiwan (Formosa) - Fisheries
landings in 1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-5251
Comm.Fish.Rev., 21(4):90
Taiwan (Formosa) - Whaling in 1958
Contents as per title.

FAO:

M

Anonymous (1959) 59-5254
Comm.Fish.Rev., 21(4):91
U.S.S.R. - New seven-year plan
for fisheries
Contents as per title.

FAO

M

Anonymous (1959) 59-5252
Comm.Fish.Rev., 21(4):90
Taiwan (Formosa) - Pesticides used in
milkfish ponds
Contents as per title.

FAO:

F

Anonymous (1959) 59-5255
Comm.Fish.Rev., 21(4):91
U.S.S.R. - Fishery research
facilities
Contents as per title.

FAO:

MF

Anonymous (1959) 59-5253
Comm.Fish.Rev., 21(4):90-1
Union of South Africa - Spiny lobster
catches good off Cape Peninsula
Contents as per title.

FAO:

M

Horton, P.A. (1958) 59-5256
Thesis, Exeter Univ.,
The bionomics of brown trout (Salmo
trutta) in a Dartmoor stream

F

National Shellfisheries Association (1957) 59-5257
Washington, 167 p.
1956 Proceedings vol. 47

Contains papers 580351 to 580354 & 59-5258 to 59-5268, contributed to the convention symposium on production & utilization of seed oysters; technical papers on biology of shellfish & shellfish enemies; environmental conditions, shellfish food, shellfish poison, shellfish technology & public health aspects. Incl. notes on association affairs.

FAO:efa

MF

Gunter, G., C.E. Dawson 59-5260
& Wm.J. Demoran (1957)
Proc.nat.Shellfish.Ass., 47(1956):31-3
Determination of how long oysters have been dead by studies of their shells

Account of experiments on setting some limits upon ages of dead shells as indicated by the fouling organisms.

FAO:efa

M

Cronin, L.E. (1957) 59-5258
Proc.nat.Shellfish.Ass., 47(1956):2
Symposium on the production and utilization of seed oysters

Brief notes on the purpose of symposium, & fundamental & economic problems involved.

FAO:efa

MF

Shuster, C.W., Jr. (1957) 59-5261
Proc.nat.Shellfish.Ass., 47(1956):
34-42
On the shell of bivalve mollusks

Account of observations on the age determination, comparative anatomy & ecology of bivalves & relation of shell growth to environmental conditions.

FAO:efa

MF

Chestnut, A.F. (1957) 59-5259
Proc.nat.Shellfish.Ass., 47(1956):18
The seed oyster problems of North Carolina

Abstr. only. A brief review of industry with notes on problems regarding seed-oysters.

FAO:efa

M

Chestnut, A.F., W.E. Fahy 59-5262
& H.J. Porter (1957)
Proc.nat.Shellfish.Ass., 47(1956):50-6
Growth of young *Venus mercenaria*, *Venus campechiensis*, and their hybrids

Account of studies with clams under 30mm spawned from known parent & grown under laboratory conditions. Notes on rate of growth & survival.

FAO:efa

M

Hopkins, S.H. (1957) 59-5263
Proc.nat.Shellfish.Ass., 47(1956):50-61
Our present knowledge of the oyster
parasite Bucephalus

Puts on record, for oyster biologists,
what parasitologists now know about
oyster-castrating flatworm.

FAO:efa

M

Dunn, G.E. (1957) 59-5266
Proc.nat.Shellfish.Ass., 47(1956)
104-8

Some features of the hurricane
problem

Brief notes on formation & movement
of hurricanes with reference to
hurricane tides.

FAO efa

M

Woelke, C.E. (1957) 59-5264
Proc.nat.Shellfish.Ass., 47(1956):62-7
The flatworm Pseudostylochus ostreo-
phagus Hyman, a predator of oysters

Notes on general biology, life history
& control of this newly introduced
oyster predator to Pacific coast beds.

FAO:efa

M

Butler, P.A. & 59-5267
A.J. Wilson, Jr. (1957)
Proc.nat.Shellfish.Ass., 47(1956):
109-13

A continuous water sampler for
estimation of daily changes in
plankton

Describes water collecting device
with notes on its application &
advantages.

FAO:efa

MF

Glude, J.B. (1957) 59-5265
Proc.nat.Shellfish.Ass., 47(1956):73-82
Copper, a possible barrier to oyster
drills

Account of laboratory experiments on the
effectiveness of different metallic drill
barriers. Tests show that oyster drill
Urosalpinx would not crawl across clean
copper or brass although it would cross
iron, zinc, & Saran plastic. Incl.
notes on application.

FAO:efa

M

McFarren, E.F. & al. (1957) 59-5268
Proc.nat.Shellfish.Ass., 47(1956):
114-41

Public health significance of
paralytic shellfish poison: a review
of literature and unpublished
research

Review of subject under headings:
Source of poison Occurrence &
distribution of toxic shellfish;
Characteristics of the poison; &
Prevention & control. Incl. full
bibliographic list.

FAO:efa

MF

Fingerman, M. A. 59-5269
L.D. Fairbanks (1957)
Proc.nat.Shellfish.Ass., 47(1956):146-7
Investigations of the body fluid and
"brown-spotting" of the oyster

Brief account of observations on the
physiology of the body fluid & the
phenomenon of 'brown-spotting' in
Crassostrea virginica.

FAO:efa

M

Dow, R.L. (1958) 59-5272
Proc.nat.Shellfish.Ass., 48(1957):23-9
Sanitary criteria for shellfish by
species and by area

Account of studies conducted in Maine
to evaluate the relative importance
of hydrographic, geological &
biological factors having actual or
potential influence on sanitary
qualities of shellfish growing areas
& with notes on experiments to
establish standards for Mytilus
edulis & Mya arenaria.

FAO efa

M

National Shellfisheries 59-5270
Association (1958)
Chapel Hill, N.C., 207 p.
1957 proceedings vol. 48

Contains papers 59-5271 to 59-5293,
on biology, sanitation, ecology,
physiology & morphology of shellfish;
parasites & predators. Incl. brief
biography of honorary members.

FAO:efa

MF

Gregory, R.H., R.T. Hill 59-5273
& J.A. Hope, Jr. (1958)
Proc.nat.Shellfish.Ass., 48(1957):
30-43

Bacteriological studies of harvesting
and processing of oyster in Virginia

Notes on methods of examination,
changes in bacterial quality of
oysters during processing & evaluation
of bacterial densities.

FAO:efa

M

Galtsoff, P.S. (1958) 59-5271
Proc.nat.Shellfish.Ass., 48(1957):8-22
The past and future of oyster research

Discusses & reviews main phases of
oyster research carried on during
1921 to 1951; with notes on future
trends; full bibliographic list.

FAO:efa

M

Lunz, G.R. (1958) 59-5274
Proc.nat.Shellfish.Ass., 48(1957):
44-51

Unused oyster shell in South Carolina
suitable for seed oyster production

Discusses possibility of washed
shells as suitable cultch for seed
oyster.

FAO:

M

Chanley, P.E. (1958) 59-5275
Proc.nat.Shellfish.Ass., 48(1957) 58-65
Survival of some juvenile bivalves in
water of low salinity

Gives some effects of low salinities &
of changes in salinity & adaptation
& survival of juveniles of Venus
mercenaria, Ensis directus, Mya
arenaria, Crassostrea virginica, Ostrea
edulis & Brachidontes recurvus.

FAO:efa

M

Westley, R.E. (1958) 59-5278
Proc.nat.Shellfish.Ass., 48(1957)
79-82

An automatic water sampler for
marine shore stations

Describes an automatic sampler that
takes hourly samples of natural
waters for a week for measurements
of salinities, some pollutants, &
possibly bacteriological or plankton
samples subject to particular
requirements of storage, evaporation
& contamination of samples.

FAO:efa

M

Menzel, R.W., H.C. Hulings 59-5276
& R.R. Hathaway (1958)
Proc.nat.Shellfish.Ass., 48(1957) 66-71
Causes of depletion of oysters in St.
Vincent Bar, Apalachicola bay, Florida
Contents as per title.

FAO:efa

M

Boosanoff, V.L. 59-5279
& C.A. Nomejko (1958)
Proc.nat.Shellfish.Ass., 48(1957) 83-9
Burial as a method for control of the
common oyster drill, Urosalpinx
cinerea, of Long Island sound

Account of experiments to determine
the % mortality of this sp. buried
beneath bottom material. Suggests
simple method for controlling.

FAO:efa

M

Engle, J.B. (1958) 59-5277
Proc.nat.Shellfish.Ass., 48(1957) 72-8
The seasonal significance of total
solids of oysters in commercial
exploitation

Notes on seasonal fluctuations of total
solids of oyster meats, with reference
to harvesting seasons for optimum
quality of oysters.

FAO:efa

M

Kunkle, D.E. (1958) 59-5280
Proc.nat.Shellfish.Ass., 48(1957) 90-1
The vertical distribution of oyster
larvae in Delaware bay

Contents as per title.

FAO:efa

M

Sparks, A.K., J.L. Boswell 59-5281
 & J.G. Mackin (1958)
Proc.nat.Shellfish.Ass., 48(1957):92-102
 Studies on the comparative utilization
 of oxygen by living and dead oysters

Account of experiments to determine
 oxygen requirements by a dead oyster
 in disintegration & a live oyster
 for respiration. States that former do
 not use appreciably greater amount
 of oxygen than latter.

FAO:efa

M

Smith, R.J. (1958) 59-5284
Proc.nat.Shellfish.Ass., 48(1957):
 115-24
 Filtering efficiency of hard clams
 in mixed suspensions of radioactive
 phytoplankton

Account of investigations on the
 efficiency of Merconaria (=Venus)
merconaria L. in filtering
Gymnodinium & Carteria, algal cells
 of different sizes.

FAO:efa

M

Cox, K.W. (1958) 59-5282
Proc.nat.Shellfish.Ass., 48(1957):103-9
 Notes on the California abalone
 fishery

Reviews Haliotis rufescens, H.
corrugata & H. fulgens fishery in the
 district. Incl. notes on life history,
 movement & migration, & transplanting.

FAO:efa

M

Fingerman, M. & 59-5285
 L.D. Fairbanks (1958)
Proc.nat.Shellfish.Ass., 48(1957):
 125-33
 Histophysiology of the oyster kidney

Describes the morphology & physiology
 of the kidney - organ of Bojanus -
 in Crassostrea virginica.

FAO:efa

M

Manning, J.H. & 59-5283
 H.T. Pfitzenmeyer (1958)
Proc.nat.Shellfish.Ass., 48(1957):110-4
 The Maryland soft shell clam industry:
 its potentials and problems

Briefly discusses the problems
 confronting the industry.

FAO:efa

M

Guillard, R.R. (1958) 59-5286
Proc.nat.Shellfish.Ass., 48(1957):
 134-42
 Some factors in the use of nanno-
 plankton cultures as food for larval
 and juvenile bivalves

Account of feeding experiments with
 larvae & juveniles of Crassostrea
virginica & Venus mercenaria.

FAO:efa

M

Tripp, M.R. (1958) 59-5287
Proc.nat.Shellfish.Ass., 48(1957):143-7
 Disposal by the oyster of intra-
 cardially injected red blood cells of
 vertebrates

Account of studies in elucidating
 defense mechanisms of Crassostrea
virginica Gmelin by histological
 determination of the fates of various
 vertebrate erythrocytes injected
 intracardially into the oyster.

FAO:efa

M

Galtsoff, P.S. (1958) 59-5290
Proc.nat.Shellfish.Ass., 48(1957):
 154-61

Observations on muscle attachments,
 ciliary motion, and the pallial
 organ of oysters

Contents as per title.

FAO efa

M

Eble, A.F. (1958) 59-5288
Proc.nat.Shellfish.Ass., 48(1957)
 148-51

Some observations on blood circulation
 in the oyster, Crassostrea virginica

Deals with the venous return & gill
 circulation of this sp.

FAO:efa

M

Feng, S.Y. (1958) 59-5291
Proc.nat.Shellfish.Ass., 48(1957):
 162-73

Observations on distribution and
 elimination of spores of Nematopsis
ostrearum in oysters

Account of investigations on the
 distribution of cysts in the mantle
 margin & evidence of discharge of
 spores by oysters.

FAO efa

M

Gunter, G. (1958) 59-5289
Proc.nat.Shellfish.Ass., 48(1957) 152-3
 An abnormal Virginia oyster with a
 bifurcated muscle

Description of the muscle structure
 of the specimen.

FAO:efa

M

Cooley, T.R. (1958) 59-5292
Proc.nat.Shellfish.Ass., 48(1957):
 174-83

Incidence and life history of Parorchis
acanthus, a digenetic trematode, in
 the southern oyster drill, Thais
haemastoma

Gives compiled information on life
 cycle, known hosts, reported localities,
 synonymy & morphological description
 of developmental stages of this sp.
 Briefly describes the pathology of
Parorchis infection in T. haemastoma.
 Incl. discussion on the possible use of
 this trematode as a biological control
 agent for T. haematostoma.

FAO efa

M

Hathaway, R.R. (1958) 59-5293
Proc.nat.Shellfish.Ass., 48(1957):189-94
The crown conch Melongena corona Gmelin;
its habits, sex ratios, and possible
relations to the oyster

Account of studies on the abundance
& frequent association of this sp.
with oysters on west coast of Florida.

FAO efa

M

Healy, A.J. (1959) 59-5296
Trans.roy.Soc.N.Z., 36(1-2):113-8
Contributions to a knowledge of the
adventive flora of New Zealand, no. 7

Lists adventive spp. present in
lowland swamp forest, with records of
new spp. Daphne laureola L., Poa
infirmata H.B.K., Taxus baccata L. &
Euonymus phellomana Loes.

FAO efa

F

Crosby, L.H. & 59-5294
E.J.F. Wood (1959)
Trans.roy.Soc.N.Z., 36(1-2):1-58
Studies on Australian and New Zealand
diatoms - II. Normally epontic and
benthic genera

Gives taxonomy of epontic & benthic
diatom flora of estuaries with
descriptions & ill. In addition,
information given on seasonal
distribution of diatoms, their
significance as indicators, importance
in food cycle, & marine fouling.

FAO efa

MF

Garrick, J.A.F. (1959) 59-5297
Trans.roy.Soc.N.Z., 36(1-2) 127-41
Studies on New Zealand Elasmobranchii.
Part VII.- The identity of specimens
of Centrophorus from New Zealand

Gives determination keys for
Centrophorus plunketi Waite, C.
nilsoni Thompson, C. waitei Thompson,
C. calceus Lowe & C. foliaceus Gunther.

FAO efa

F

Cunningham, G.H. (1959) 59-5295
Trans.roy.Soc.N.Z., 36(1-2):65-103
Hydnaceae of New Zealand - Part II. The
genus Odontia

Gives detailed description of 25 spp.,
with notes on distribution, hosts &
comparative features. An ill. diagnostic
key to spp. is appended.

FAO efa

F

Robinson, L.S. (1959) 59-5298
Trans.roy.Soc.N.Z., 36(1-2) 143-53
Records of cestodes from marine
fishes of New Zealand

Lists 12 spp. of cestodes recorded
with a detailed account of anatomy
of the adult Hepatoxylon mega-
cephalus Rudolphi.

FAO efa

M

Fingerman, M., M.I. Sandeen 59-5299
& M.E. Lowe (1959)
Physiol.Zool., 32:128-49
Experimental analysis of the red chroma-
tophore system of the prawn Palaemonetes
vulgaris

Study of the effects of long-term
background adaptation upon the chromato-
phore system & the electrophoretic
behaviour of the chromatophorotropins.

FAO:glk

MF

59-5301
(Card 2)

development of fish marketing;
analyses of regulation of fishing
& processing; formulation of
recommendation to government dealing
with general development of fishing
industry & its markets.

SJH:efa

F

Slijper, E.J. (1958) 59-5300
Amsterdam, 524 p.
Walvissen (Knowledge on whales)

Ill. monographed encompassing chapters
on man & whales, anatomy, swimming &
speed, breathing & the respiratory
system, hearing, sight, smell, feeding
& breeding.

FAO:chr

M

Andrews, P.H. (Comp.) (1959) 59-5303
FAO, Rome, 16 p.
Catalogue of FAO fisheries
publications - May 1959

Lists titles, prices of periodicals
& individual titles of irregular
serial publication; incl. ETAP
reports, & publications of GFCM &
ITFC; training centre reports;
available reprints of articles in
periodicals.

FiB:sjh

MF

Crutchfield, J.A. (1959) 59-5301
Rep.F.A.O./L.E.A.P., (998) 146 p.
Report to the Government of Uganda on
fish marketing in Uganda (June 1957 to
June 1958)

Report of author's assignment FAO under
UN Expanded Technical Assistance
Program. Gives detailed account of
studies on development of more adequate
description of existing marketing
structure; analysis of present &
potential export markets & import
sources; delineating obstacles
impeding efficient operation &

Sandvaer, G. (1958) 59-5304
Arbeidet.Forg.Fisk., (5) 28 p.
Lofotfisket 1958 (Lofoten
fishery 1958)

Fishing conditions, participants,
types & amounts of gear & its
deterioration; catches by areas &
types of gear.

FAO:tl

T.

Laws, R.M. & 59-5305
R.J.F. Taylor (1957)
Proc.zool.Soc.Lond., 129(3):315-24
A mass dying of crabeater seals,
Lobodon carcinophagus (Gray)

In 1955 large numbers of this seal wintered on the ice in the Crown Prince Gustav channel off Graham Land. In the spring most of them died & specimens were collected. Examination of these specimens provided information on the cause of death & on the ages of the seals. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(211), 1958).

GLK:rm1

M

Laws, R.M. (1958) 59-5308
Proc.zool.Soc.Lond., 130(2):275-88
Growth rates and ages of crabeater seals, Lobodon carcinophagus Jacquinet & Pucheran

The internal growth rings of the teeth of the crabeater seal, L. carcinophagus, are described & the annual pattern established. Using ages determined from the growth rings in the canine teeth, an average growth curve for body length has been constructed & is compared with earlier estimates of the rate of growth in the 1st few years. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(224), 1958).

GLK:rm1

M

Draper, L. (1957) 59-5306
Houille blanche, (6):6 p.
Attenuation of sea waves with depth.
En Fr

Experimental comparison of surface waves with the pressure changes produced by them on the sea bed at a point fairly near to a beach. The attenuation of the waves is compared with that calculated by classical hydrodynamic theory. An empirical equation is evolved which agrees with these results. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(213), 1958)

GLK:ld

M

Tucker, M.J. (1958) 59-5309
J.sci.Instrum., 35:167-71
An electronic feedback seismograph

The seismograph described has a nearly uniform response to ground oscillations whose periods lie between 1.5s & 12s, which is the range of particular interest for research on microseisms generated by sea waves. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(232), 1958).

GLK:mjt

M

Cartwright, D.E. (1958) 59-5307
Sci.Progr., (181):83-91
Physical oceanography

Review of recent theory for the prediction of ship-motion spectra & of the use to be made therein of data on the relation between waves & wind, with an account of progress in the hydrodynamical theory behind the transfer function relating ship motion to waves, & discussion of future prospects in this work. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(223), 1958).

GLK:glk

M

Deacon, G.E.R. (1958) 59-5310
Impulse, March, 1958, 7 p.
British studies in oceanography

Account of some of the work of the National Institute of Oceanography. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(235), 1958).

GLK:glk

M

Crease, J. (1958) 59-5311
J.Fluid Mech., 4(3):306-20

The propagation of long waves into a semi-infinite channel in a rotating system

Theoretical investigation to seek a partial explanation of the behaviour of tides & storm surges in the North Sea. 2 models of this region are discussed. One of 2 parallel semi-infinite barriers in the path of a plane progressive wave, the other of 2 parallel barriers, one semi-infinite & the other infinite. (issued as Coll.Repr.Wormley nat.Inst.Oceanogr., 6(237) 1958).

GLK jc

M

Longuet-Higgins, H.S. (1958) 59-5314
Proc.roy.Soc., 246A:99-118

On the intervals between successive zeros of a random function

A new approach is suggested to the problem of the statistical distribution of the intervals between successive zeros of a random, Gaussian function. (issued as Coll.Repr.Wormley nat.Inst.Oceanogr., 6(244), 1958).

CLK msl

MF

Charnock, H. (1958) 59-5312
Sci.Progr., 46(183):470-87
Meteorology

Review of progress in studies of wind, temperature, & humidity gradients near the ground. (issued as Coll.Repr.Wormley nat.Inst.Oceanogr., 6(242), 1958).

GLK:glk

MF

Cartwright, D.E. (1958) 59-5315
Proc.roy.Soc., 247A 22-48

On estimating the mean energy of sea waves from the highest waves in a record

An analysis is made of the probability distribution of the largest values attained by a stationary random variable $f(t)$ over a period of time containing several oscillations. (issued as Coll.Repr.Wormley nat.Inst.Oceanogr., 6(245), 1958).

GLK dec

M

Charnock, H. (1958) 59-5313
Sci.Progr., 46(183):487-501
Physical oceanography

Review of progress in studies of wind-generated waves. (issued as Coll.Repr.Wormley nat.Inst.Oceanogr., 6(243), 1958).

GLK:glk

M

Carruthers, J.N. (1958) 59-5316
Fish.News, Lond., (2362):6-7

Seine net fishermen can easily observe bottom currents for themselves

Description of a simple device with which to ascertain the speed & direction of bottom currents, for use by fishermen. (issued as Coll.Repr.Wormley nat.Inst.Oceanogr., 6(246), 1958).

GLK:ll

M

Gandin, L.S. & R.E. Soloveichik (1959) 59-5317
C.R.Acad.Sci.U.R.S.S., 126:59-62
 Vliianie gorizontal'nogo peremeshivaniia v napravlenii vetra na isparenie s organichennykh vodoemov (The effect of a horizontal mixing in the direction of the wind upon evaporation from a bounded water reservoir)

Annotation to follow.

FAO:

F

Volkov, I.I. (1959) 59-5320
C.R.Acad.Sci.U.R.S.S., 126:163-6
 O svobodnom serovodoveze i sernistom zheleze v ilovykh otlozheniiakh Chernogo moria (On the free hydrogen sulphide and sulphide iron in the silt deposits of the Black Sea)

Annotation to follow.

FAO:

M

Ozmidov, R.V. (1959) 59-5318
C.R.Acad.Sci.U.R.S.S., 126:63-5
 Issledovanie srednemasshtabnogo gorizontal'nogo turbulentnogo odmena v okeane pri pomoshchi radiolokatsionnykh nabliudenii nad plavaiushchimi buiami (Investigation of the medium-scale horizontal turbulent exchange in the ocean by radar observations of floating buoys)

Annotation to follow.

FAO:

M

Kovalskii, V.V. & S.V. Letunova (1959) 59-5321
C.R.Acad.Sci.U.R.S.S., 126:167-70
 Znachenie il'voi mikroflory v migratsii kobal'ta i prisposoblenie mikro-organizmov k srede v biogeochemicheskikh provintsiiakh s razlichnym soderzhaniiem kobal'ta (On the role of silt microflora in cobalt migration and the adaptation of microorganisms to the medium in biogeochemical provinces with different cobalt content)

Annotation to follow.

FAO:

M

Fel'senbaum, A.I. (1959) 59-5319
C.R.Acad.Sci.U.R.S.S., 126:66-9
 Srednii miogoletnii dreif l'dov v Tsentral'nom Arkticheskom basseine (Ice field drift averaged over many years in the Central Arctic basin)

Annotation to follow.

FAO:

M

Sechkina, T.V. (1959) 59-5322
C.R.Acad.Sci.U.R.S.S., 126:171-4
 Diatomovye v dlinnoi kolonke donnykh otlozhenii iz Iaponskogo moria (Diatoms from a long column of bottom deposits of the sea of Japan)

Annotation to follow.

FAO:

M

Rusanova, M.N. (1959) 59-5323
C.R.Acad.Sci.U.R.S.S., 126:210-3
 O kharaktere biologicheskikh razlichii
 mezhdu belomorskimi i barentsevo-
 morskimi Balanus balanoides L.
 (On the nature of biological
 differences between the White Sea and
 the Barents Sea Balanus balanoides L.)

Annotation to follow.

FAO:

M

Khvan, A.P. (1959) 59-5326
C.R.Acad.Sci.U.R.S.S., 126:303-6
 Tochnoe reshenie uravneniia polia
 vetrovykh voln na sil'no melkovodnom
 more (The exact solution of the
 wind-wave field equation for a very
 shallow sea)

Annotation to follow.

FAO:

M

Alekin, O.A. & 59-5324
 I.P. Moricheva (1959)
C.R.Acad.Sci.U.R.S.S., 126:295-8
 Nasyshchennost' karbonatom kal'tsiia
 vody estuarii. (The saturation of
 estuary waters with calcium carbonate)

Annotation to follow.

FAO:

MF

Galkina, L.A. (1959) 59-5327
C.R.Acad.Sci.U.R.S.S., 126:404-5
 Iablenie degeneratsii polovykh
 kletok u tikhoookeanskoi sel'di
 (Degeneration phenomena in gametes
 of the Pacific herring)

Annotation to follow.

FAO:

M

Lazarev, G.E. & 59-5325
 S.A. Ushakov (1959)
C.R.Acad.Sci.U.R.S.S., 126:299-302
 Opyt opredeleniia moshchnosti l'da v
 Antarktide po gravimetricheskim dannym
 (Tentative determination of ice
 thickness in Antarctica from gravimetric
 data)

Annotation to follow.

FAO:

M

Keiz, G. (1959) 59-5328
Ost.Fisch., 12:17-22
 Über die Kiemenfäule der Teichfische
 (On the gill-blight of pond fish)

Describes the disease & summarizes the
 combat methods & preventive measures.

FAO:dr

F

Berner, M. (1958) 59-5329
Dtsch.FischZtg., 5:321-8
 Periodische Qualitätsänderungen des
 Ostseedorsch's und ihre biologischen
 Ursachen (Periodical changes of
 the quality of Baltic Sea cod and its
 biological reasons)

Describes how to obtain cod production
 of good market quality by a certain
 restriction of the main catch season.

FAO:dr

F

Iarrañeta, M.G. P. Suau 59-5332
 & J. López (1958)
Invest.pesqu., (12):3-19
 Fluctuaciones en la pesquería de
 sardina de Castellón (Fluctuations
 in the sardine fishery of Castellon).
 En

A study of fluctuations of Sardina
pilchardus & perspectives of
 prediction.

FAO:hr

M

King, S. (1958) 59-5330
Dtsch.FischZtg., 5:328-31
 Das stürmische Entwicklungstempo der
 fischereilichen Produktion in China
 (The quick development of the fish
 production in China)

Contents as per title.

FAO:dr

M

Cervigón, F. (1958) 59-5333
Invest.pesqu., (12):21-47
 Contribución al estudio de los
 sifonóforos de las costas de Castellon
 (Mediterráneo Occidental)
 (Contribution to the study of
 Siphonophores of the coast of
 Castellon, Western Mediterranean).
 En

A record of distribution of the
 Siphonophores during 1955, 1956 &
 1957. Chelophyes appendiculata shows
 a regular distribution & it is
 abundant mainly in spring & summer.
Muggiaea kochi & Lensia subtilis are

Rogge, B. (1958) 59-5331
Dtsch.FischZtg., 5:337-8
 Zucht des medizinischen Blutegels
 (Rearing of leeches)

Description of methods to be used for
 co-management in pond fish culture.

FAO:dr

F

59-5333
 (Card 2)
 abundant in winter. Abylopsis
tetragona & Galettia chuni don't
 present a clear distribution along
 the different seasons. M. atlantica,
Diphyes dispar & Bassia bassensis
 only appear in 1957.

FAO:fc

M

Larrañeta, M.G., J. Lopez 59-5335
 & P. Suau (1958)
Invest.pesqu., (12):49-81
 Capturas por unidad de esfuerzo en la
 pesquería de sardina de Castellón
 (Catches per unit effort in the sardine
 fishery of Castellon). En

Catches per unit effort from 1950 to
 1957 are given as well as growth,
 landings & effort distribution data.
 A method to measure the density of
 the populations to be extended to the
 whole Mediterranean Spanish coast is
 discussed.

FAO:hr

M

59-5334
 (Card 2)
 straight lines. Covariance analysis
 of the data shows marked differences
 between the 2 areas in relative
 growth rates of certain body
 dimensions.

FAO:jr

II

Herrera, J. (1958) 59-5336
Invest.pesqu., (12):113-26
 Datos climáticos del puerto de
 Castellón y térmicos de las aguas
 costeras en relación con la pesca en
 1957 (Climatological data of the
 port of Castellon and temperatures of
 the coastal waters in relation with
 the fisheries in 1957). En

Summary of meteorological & surface
 water temperature data.

FAO:hr

M

Massuti, M. (1958) 59-5339
Invest.pesqu., (13):37-48
Estudio del crecimiento relativo de
Sagitta enflata Grassi del plancton de
 Castellón (Relative growth study
 of Sagitta enflata Grassi of the
 plankton of Castellon). En

A study of relative growth of trunk,
 head, tail & ovary referred to total
 length. Three lineal equations were
 obtained for the 3 first sections & a
 parabola to the 2nd order for the
 ovary.

FAO hr

M

Rodriguez-Roda, J. (1958) 59-5337
Invest.pesqu., (13):3-36
 Estudio comparativo del crecimiento de
 las sardinas, Sardina pilchardus
 Walbaum, de Barbate (costa sudatlántica
 española) y Larache (costa atlántica
 de Marruecos) (Comparative study of
 growth of sardines, S. pilchardus
 Walbaum, of Barbate, South Atlantic
 coast of Spain, and Larache, Atlantic
 coast of Morocco). En

Over restricted ranges of sizes at
 least, the dimensions of body parts
 relative to others seem to be
 sufficiently well approximated by

Larrañeta, M.G. (1958) 59-5340
Invest.pesqu., (13):65-86
 Sobre el poder de pesca, vulnerabilidad
 y agregación en la pesquería de
 sardinas de Castellón (Fishing
 power, vulnerability and aggregation
 in the sardine fishery off Castellon).
 En

A study of some of the basic
 questions related to estimates of
 fishing intensity of the ring-net
 boats.

FAO:hr

M

Vives, F. & M. Lopez-Benito (1958)
Invest.pesqu., (13):87-125
 El fitoplancton de la Ría de Vigo y su relación con los factores térmicos y energéticos (The phytoplankton of the "Ria de Vigo" and its relation with thermic and energetic factors).
 En

The phytoplankton succession is studied & the biomass composition related to thermic & energetic agents responsible for the quantitative & qualitative fluctuations of the phytoplankton population, & resultant of local meteorological budget.

FAO:hr

M

Thurrow, F. (1958) 59-5344
Arch.FischWiss., 9:79-97
 Untersuchungen über die spitz- und breithköpfigen Varianten des Flusssaales (Investigation on the pointed & broad head varieties of the eel). En

Notes on occurrence of types & their relations to environmental factors.

GLK:dr

MF

Brunner, G., G. Keiz & E. Kolb (1958) 59-5342
Arch.FischWiss., 9:53-78
 Untersuchungen am Karpfen (Cyprinus carpio L.) über die Abhängigkeit des Vitamin A- und Carotinoidgehaltes von Entwicklung, Alter, Ernährung, Gesundheitszustand, Geschlecht und Beschuppungstyp der Fische (Investigations into the dependence of vitamin A & the carotinoid-content on the development, age, feeding, health conditions, sex & type of scaling of carps). En

Account of investigations on the distribution & content of vitamin A

Amlacher, E. (1958) 59-5345
Arch.FischWiss., 9:97-133
 Pathologische Histologie und Histochemie der Leber normaler und an infektiöser Bauchwassersucht erkrankter Karpfen (K₂) (Pathological histology and histochemistry of the liver of healthy & infected (ascites) carps). En

Account of histological & micro-chemical investigations on the symptoms of infections ascites in the liver of 2 year old carps.

GLK:dr

F

59-5342 (Card 2)
 & of carotinoids in different parts of the body; their variation due to growth, feeding, & disease infections.

GLK:dr

Wittfogel, H., W. Schnelle & I. Adam (1958) 59-5346
Arch.FischWiss., 9:135-42
 Über den Fettgehaltszyklus und Ernährungskoeffizienten von Heringen deutscher Dampferanlandungen in den Fangjahren 1957-58 (On the cycle of the fat content & nutritive coefficient of German trawl herring during the catch seasons of 1957-58). En

Report on length, weight, sex, stages of maturity, water & fat content, protein-ash content, & nutritive coefficient analysis of a sample of 150 herrings from different fishing grounds of the North Sea.

GLK dr

M

Wilson, R.C., E.L. Nakamura 59-5347
& H.O. Yoshida (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv., (20)
105 p.

Marquesas area fishery and
environmental data, October 1957 - June
1958

Presents the biological, environmental
& meteorological data from 4
consecutive cruises, October 1957 to
June 1958, in the part of the south-
eastern Pacific ocean that is centred
in the Marquesas islands. Primary
mission of these cruises was to define
the season of greatest availability of

Masuda, S. 59-5350

F. Shinohara (1959)
Bull.Seika reg.Fish.Res.Lab., (17):15-28
(Studies on the discoloration of oily
fishes - II. On the method of measuring
the discoloration of oily fishes
through examination of differences in
the degree of whiteness of the powder).
Ni En

FiB:x

59-5347
(Card 2)
surface tuna schools in the Marquesas
area.

GLK:glk

II

Yamada, K., T. Suzuki 59-5351
& M. Tanaka (1959)
Bull.Seikai reg.Fish.Res.Lab., (17):
29-51
(Biochemical studies on the role of
malonate decomposing enzyme in fish
muscular tissue). Ni En

FiB:x

Yamada, K. & 59-5349
M. Tanaka (1959)
Bull.Seikai reg.Fish.Res.Lab., (17):1-13
(Studies on the black discoloration
of fish and shellfish cans). Ni En

FiB:x

Sasayama, S., S. Hamada 59-5352
& K. Yamada (1959)
Bull.Seikai reg.Fish.Res.Lab., (17):
53-79
(Studies on the preservation of bottom
fish - Effectiveness of chlortetra-
cycline on keeping quality).
Ni En

FiB:x

Sasayama, S. & 59-5353
 S. Hamada (1959)
Bull.Seikai reg.Fish.Res.Lab., (17):
 81-119
 (A study on the preservation of fish-
 cake). Ni En

FiB:x

Swarup, H.S. (1957) 59-5356
Thesis, Univ. of Oxford, U.K.
 The production and effects of
 polyploidy in Gasterosteus aculeatus

MF

Acton, A.B. (1957) 59-5354
Thesis, Univ. of Oxford, U.K.,
 A study of polymorphism in the
 Chironomidae

F

Tirmizi, M.M. (1958) 59-5357
Thesis, Univ. of Oxford, U.K.
 Taxonomy of some marine crustacea of
 Pakistan

M

Hall, H.F. (1957) 59-5355
Thesis, Univ. of Oxford, U.K.,
 A comparative study of the reproductive
 behaviour of the sticklebacks
 (Gasterosteidae)

MF

Tubb, J.A. (1958) 59-5358
Occ.Pap.Indo-Pacif.Fish.Coun., (58/4).
 5 p.
 Report on the 9th Pacific Science
 Congress, Division of Oceanography &
 Fisheries

Reports re-organization - Division of
 Fisheries & of Oceanography became
 Division of Marine Sciences & of
 Freshwater Sciences, each incl.
 disciplines of oceanography, fisheries
 & biology. Recommendations made concern
 zooplankton, C₁₄, chlorophyll studies,
 UNESCO activities.

FiB:sjh

MF

Wennekens, M.P. (1959) 59-5359
Bull.Mar.Sci.Gulf Caribb., 9(1):1-52
 Water mass properties of the straits
 of Florida and related waters

Attempt to synthesize old & new studies
 of the relationships between salinity,
 temperature, dissolved oxygen, &
 inorganic phosphate in the straits of
 Florida & related waters.

FAO:mpw

M

Guest, W.C. (1959) 59-5362
Bull.Mar.Sci.Gulf Caribb., 9(1):79-83
 The occurrence of the jellyfish
Chiropsalmus quadrumanus in Matagorda
 bay, Texas

Account of its distribution generally
 in this bay, the salinity & other
 conditions in association with which
 it was found, & its gonadial
 condition.

FAO:glk

M

Sogandares-Bernal, F. & 59-5360
 R.F. Hutton (1959)
Bull.Mar.Sci.Gulf Caribb., 9(1):53-68
 Studies on helminth parasites of the
 coast of Florida - I. Digenetic
 trematodes of marine fishes from Tampa
 and Boca Ciega bays with descriptions
 of two new species. 1.

Systematics.

FAO:glk

M

Voss, N.A. (1959) 59-5363
Bull.Mar.Sci.Gulf Caribb., 9(1):84-99
 Studies on the pulmonate gastropod
Siphonaria pectinata (Linnaeus) from
 the southeast coast of Florida

The feeding, habitat, spawning,
 larval development, environmental
 & geographical variation, geographical
 distribution & growth of the sp.
 are discussed. The veliger, egg
 masses & newly settled young are ill.

FAO:nav

M

Lewis, A.G. (1959) 59-5361
Bull.Mar.Sci.Gulf Caribb., 9(1):69-78
 The vertical distribution of some
 inshore copepods in relation to
 experimentally produced conditions of
 light and temperature

An experimental tower was used to test
 the effects of different gradients of
 light & temperature on the vertical
 distribution of 3 spp. of planktonic,
 inshore copepods.

FAO:agl

M

Klawe, H.L. & 59-5364
 B.M. Shimada (1959)
Bull.Mar.Sci.Gulf Caribb., 9(1):100-15
 Young scombroid fishes from the
 Gulf of Mexico

Separation & identification of young
 forms of yellowfin tuna, Thunnus
argentivittatus, blackfin tuna T.
atlanticus, oceanic skipjack,
Katsuwonus pelamis, little tunny,
Euthynnus alletteratus, frigate
 mackerel, Auxis thazard, & bonito
Sarda sarda, as well as a few small
 specimens of Thunnus of indeterminate
 sp.

FAO:wlk

M

Krause, H.R. (1959) 59-5365
Arch.Hydrobiol., Suppl. 24: 297-337
 Biochemische Untersuchungen über den
 postmortalen Abbau von totem Plankton
 unter aeroben und anaeroben Bedingungen
 (Bio-chemical investigation on the
 post-mortem decomposition of dead
 plankton under aerobic and anaerobic
 conditions). En

Account of investigations on variation
 of chemical composition during
 decomposition. Describes methods of
 investigation, reports results obtained
 on the loss of substance, nitrogen &
 raw protein content, carbon & ash

Schwoerbel, J. (1959) 59-5368
Arch.Hydrobiol., Suppl. 24: 385-546
 Ökologische und tiergeographische
 Untersuchungen über die Milben (Acari,
 Hydrachnellae) der Quellen und Bäche
 des südlichen Schwarzwaldes und seiner
 Randgebiete (Ecological and zoo-
 geographical investigations on the
 mites, Acari, Hydrachnellae, in
 springs & brooks of the southern Black
 Forest and in its surroundings, with
 reference to the river Baar, the
 upper Danube and the southern Vosges).
 En Fr

Detailed account of ecological &

59-5365
 (Card 2)
 contents, scale of amino-acids &
 fat content.

FAO:dr

F

59-5368
 (Card 2)
 zoogeographical investigations on the
 water mites in sources & brooks of
 geologically different regions.
 Geographical, geological & climato-
 logical conditions of the regions
 are discussed.

FAO:dr

F

Wülker, W. (1959) 59-5367
Arch.Hydrobiol., Suppl. 24: 338-60
 Diamesarien-Studien (Dipt., Chirono-
 midae) im Hochschwarzwald
 (Investigation on the Diamesa spp. of the
 Black Forest). En

Describes systematics, morphology
 & geographical distribution of 15 spp.
 of genus Diamesa.

FAO:dr

F

Elster, H.-J. (1959) 59-5370
Arch.Hydrobiol., Suppl. 24: 361-84
 Beiträge zur Limnochemie der
 Hochschwarzwaldseen III
 (Contributions to the limno-chemistry
 of the Black Forest lakes - III).
 En

Contents as per title.

FAO:dr

F

Kühl, H. (1957) 59-5371
Arch.FischWiss., 8:181-97
 Die deutsche Fischerei auf Industrie-
 fish in der Nordsee im Jahre 1957
 (The German industrial fish production
 in the North Sea in 1957). En

Gives statistics of sandeel, herring,
 whiting, haddock, dab, horse-mackerel
 processed for fish-meal & oil. Incl.
 notes on the share of undersized fish
 in the production.

GLK:dr

M

Demel, K. & 59-5374
 S. Rutkiewicz (1958)
Gdynia, 310 p.
 Morze Barentsa (The Barents Sea)

Summary account of the oceanography,
 marine biology & fisheries of the
 Barents Sea.

PiB:tl

M

Lühmann, H. (1957) 59-5372
Arch.FischWiss., 8:198-203
 Über jahreszeitliche Veränderungen des
 Fettgehaltes und des Gehaltes an
 Trockensubstanz und Asche bei
 Sandspierlingen (Ammodytes spec.)
 (The cyclic changes of the content of
 fat, solid and ashes of the flesh of
 launce, sandeel, during an annual
 period). En

Results of analyses of chemical
 composition of sandeels.

GLK:dr

M

Kozarov, G. (1958) 59-5375
Izdanija, Skopje, 11(6):103-25
 Fitoplankton na Dojranskogo ezero
 (Phytoplankton of lake Dojran). Fr

A qualitative & quantitative study.

FAO:hr

F

Nümann, W. (1957) 59-5373
Arch.FischWiss., 8:210-2
 Kälteschocks als natürliche Ursachen
 periodisch auftretender Fischsterben im
 Bosporus (Cold shock as a natural
 reason for fish mortalities which
 appear periodically in the Bosporus).
 En

Reviews deadly effect of special
 weather conditions in the Bosporus on
 fishes.

GLK:dr

M

Popovska-Stanković, O. (1958) 59-5376
Izdanija, Skopje, 11(7):127-44
 Prilog kon poznavanje kladotserite od
 Dojranskogo ezero (Contribution
 to the knowledge of Cladoceras of lake
 Dojran). Fr

A record of spp. of the families
 Sididae, Daphnidae, Macrothricidae &
 Chydoridae, their distribution in
 the lake & life cycles.

FAO:hr

F

Germany. Bundesministerium für 59-5377
Ernährung, Landwirtschaft &
Forsten (1959)
Hamburg, 53 p.
Informationen über die Fischwirtschaft
des Auslandes no. 3 (Information on
fisheries in foreign countries)

Monthly compilation of press releases,
& extracts & digests from periodicals
of information relating to all aspects
of fisheries of all countries.

GLK glk

MF

Misu, H. (1959) 59-5380
Bull.Seikai reg.Fish.Res.Lab., (16):
21-33
(Studies on the fisheries biology of
the ribbon fish (Trichiurus lepturus
Linné) in the East China and the
Yellow Seas - 2. On the maturity and
the spawning). Ni En

Gonaf index, fecundity, egg sizes,
spawning times & areas determined
from 1765 fish sampled February, 1954
to January, 1958.

FiB:sjh

M

Western Australia 59-5378
Fisheries Department (1958)
Monthly Service Bulletin, 7(6) 59-68

Notes on staff & their activities;
issuance of fishing licenses,
regulations & legal actions; seasons &
results of crayfishery, information
from abroad.

GLK:sjh

M

Mako, H. (1959) 59-5381
Bull.Seikai reg.Fish.Res.Lab., (16):
35-62

(Analytical study of demersal fish by
commercial size composition (I).
Estimation of age composition from
commercial size composition).
Ni En

Growth curves & size compositions for
Saurida tumbil, Argyrosomus argentatus
& Pseudosciaena manchurica from East
China & Yellow Seas.

FiB:sjh

M

Aoyama, T. & 59-5379
T. Kitajima (1959)
Bull.Seikai reg.Fish.Res.Lab., (16):1-20
(The selective action of trawl nets -
II. Mesh experiments with 50 ft covered
trawl net). Ni En

Covered 60 mm cod-end experiments in
March & June 1957, gave selection
curves; 50% selection length in
relation to fish girth & size of catch;
for 51 fish spp., resistance of net;
relation of results to satisfactory mesh
size for use in East China & Yellow Seas.

FiB:sjh

M

Saksena, J.N. (1958) 59-5382
Proc.nat.Acad.Sci.India, 28B:227-30
New species of the genus Allocreadium
Looss, 1900, of the family Allocrea-
diidae Stossich, 1904, trematoda from
the intestine of Mastacembalus armatus

F

Tiwari, I.P. (1958) 59-5383
Proc.nat.Acad.Sci.India, 28B:246-52
 Studies on three new species of the
 genus Astiotrema (Trematoda Plagior-
 chiidae) from fresh water tortoises

F

Saxena, D.B. (1958) 59-5386
Proc.nat.Acad.Sci.India, 28B:264-83
 Circulation of blood in the
 respiratory region of some freshwater
 catfishes of Uttar Pradesh, India

F

Bahadur, K. & 59-5384
 S. Rajam (1958)
Proc.nat.Acad.Sci.India, 27A:87-90
 Study of the relationship between the
 size of the kidney and the size of the
 fish

MF

Saxena, D.B. (1958) 59-5387
Proc.nat.Acad.Sci.India, 28B:284-92
 Circulation of blood in the
 respiratory region of Anabas
testudineus, (Bloch)

F

Saxena, D.B. (1958) 59-5385
Proc.nat.Acad.Sci.India, 28B:258-63
 Extent of the gill-surface in the
 teleosts Heteropneustes fossilis Bloch
 and Clarias batrachus Linn.

F

Saha, K.C., D.P. Sen 59-5388
 & G.N. Muhury (1958)
Sci. & Cult., 23:556
 Destruction of water-hyacinth
 (Bichhornia crassipes Solms) by 2:4-D

F

ECATE (1958) 59-5389
Flood Control Journal, June 1958; 57 p.

Report containing following sections:
Improvements on observation, collection
& record of hydrologic data; New stream
gauging stations established; Other
hydrologic stations; NEC-ICA programme
(foreign assistance); & Ground water
investigation.

FiB sjh

F

Altmann, G. (1959) 59-5392
Experientia, 15:192

Atemungsphysiologische Untersuchungen
an Mytilus edulis galloprovincialis
(Researches on the respiratory
physiology of Mytilus edulis gallo-
provincialis). Fr

Examination of the role played in
respiratory regulation by visceral
ganglia, tested by ablation of these
ganglia.

FAO:glk

MF

Neumann, D. (1959) 59-5390
Experientia, 15:178-9
Farbmusterumschlag auf der Mollusken-
schale (Coloured shell patterns).
En

The variability of the shell pattern of
Theodoxus (Werrapopulation) is reduced
to 3 significant types, which are based
on different processes of pigment
formation of the mantle-edge. A change
between the 'synchrone Querstreifen'-
pattern & the 'phasenlängenkonstanten
Längsstreifen'-pattern is described.

FAO:dn

M

Fry, F.E.J. (1958) 59-5393
Annu.Rev.Physiol., 20:207-24
Temperature compensation

A review of literature on this
phenomenon throughout the animal
kingdom with frequent reference to
aquatic forms. Bibliography of
205 references.

GLK:sjh

MF

Altmann, G. (1959) 59-5391
Experientia, 15:191-2
Hormonale Beeinflussung des Stoffwechsels
bei Carcinus maenas (Hormonic
influence of metabolism in Carcinus
maenas). En

Examination of the influence of oxygen
need of this sp. by injection of ocular
peduncular extracts, & by ablation of
ocular peduncle.

FAO:glk

M

Taylor, C.C. (1958) 59-5394
Fish.Gaz., N.Y., Jan.-Feb., 6 p.
An appraisal of the New England
fisheries

A popular review dealing with history
& prospects of the haddock, redfish
& whiting fisheries; overfishing,
regulation, & natural fluctuations.

SJH:sjh

M

Medcof, J.C. (1958) 59-5395
Circ.Atlant.biol.Sta., (32):3 p.
Useful publications for oyster farmers
of the Maritimes

Serial sources of information; lists
selected titles in General Series
Circulars; Progress Reports (Atlantic),
oyster farming circulars & bulletins,
all published by Fisheries Research
Board of Canada.

FiB:sjh

M

Abe, T. (1957) 59-5398
Jap.J.Ichthyol., 6(3):71-4
New, rare or uncommon fishes from
Japanese waters - VI. Notes on the
rare fishes of the family Histiopte-
ridae

Continuation of 59-5397.

CLK:

M

Hotta, H., T. Abe 59-5396
& Y. Takashima (1958)
Bull.Tohoku reg.Fish.Res.Lab., (12):
101-5
(Notes on the head bones of the
Japanese mackerels of the genus
Pneumatophorus). Ni En

Shapes of sphenotic & of auxiliary
crest are described & ill.;
are used to distinguish var. japonicus
& var. tapeinocephalus of P. japonicus.

GLK:sjh

M

Morgans, J.F.C. (1958) 59-5399
Ann.Mag.nat.Hist., Ser. 13, 1:642-56
Three confusing species of serranid
fish, one described as new, from East
Africa

Ill. taxonomic descriptions, with key,
distribution & ecological notes for
Epinephelus fuscoguttatus, E. dispar
partim & E. tukula.

SJH:sjh

M

Abe, T. (1957) 59-5397
Jap.J.Ichthyol., 6(1-2):35-9
New, rare or uncommon fishes from
Japanese waters - VI. Notes on the rare
fishes of the family Histiopteridae

Ill. description of specimens of adult
Pseudopentoceros richardsoni & young
Quinquarius japonicus from Japanese
waters.

CLK:sjh

M

Anonymous (1959) 59-5400
Dansk FiskTid., 77:49
"Fishing effort"-statistiks betydning
ved internationale forhandlinger
(The importance of "fishing effort"
statistics in international
discussions)

Review of FAO meeting on costs &
earnings of fishery enterprises.

FAO:tl

MF

Anonymous (1959) 59-5401
Dansk FiskTid., 77:67-8
 Udkast til ny og udvidet Nordsø-
 konvention underskrevet efter konference
 i London (Proposal for a new and
 expanded North Sea convention has been
 signed after the conference in London)

Review of the new North-East Atlantic
 Fisheries Convention.

FAO:t1

M

St.(rand), E.W. (1959) 59-5404
Dansk FiskTid., 77:127
 Stort program for norsk fiskeri- og
 havforskning i indevaerende år
 (Big programme for Norwegian
 fisheries and marine research in this
 year)

Notes on the programme which will
 engage 9 ships.

FAO:t1

M

Bertelsen, E. (1959) 59-5402
Dansk FiskTid., 77:69-74
 Fiskeriundersøgelserne det sidste år i
 vore indre farvande (Fisheries
 investigations during the last year
 in our coastal waters)

Review of Danish fisheries
 investigations in 1958 with notes on
 preliminary results.

FAO:t1

MF

Cassie, R.M. (1957) 59-5405
Proc.N.Z.ecol.Soc., (5):4-5
 Shallow-water diving in marine
 ecology

Note presented to 6th annual meeting
 of society on equipment for diving
 & photography, its use for study of
 animal behaviour, quantitative
 sampling, hydrography, study of
 submerged equipment.

FAO:sjh

M

Anonymous (1959) 59-5403
Dansk FiskTid., 77:91-2
 De store forsøg med mærkning af sild
 og hvillinger i Nordsøen (The big
 investigation with tagging of herring
 and whiting in the North Sea)

Review of international tagging of
 plaice, whiting, herring & sand eel in
 the North Sea 1958 & notes on
 preliminary results.

FAO:t1

M

Hurley, D.E. (1957) 59-5406
Proc.N.Z.ecol.Soc., (5):12
 Ecology of the sea-floor off Southern
 California

Abstr. of paper presented to the 6th
 annual meeting of Society.

FAO:sjh

M

East Africa High Commission (1959) 59-5407
 Nairobi, 19 p.
 East African Marine Fisheries Research Organization annual report 1958

Notes staff & publications & gives general account of work of the organization during 1958. Account of work of IANIHINE; review of scientific investigations: specific composition of catches; tuna long-line studies; survey of fishing grounds of N. Kenya continental shelf. Incl. articles by J.F.C. Morgans & F. Williams, 59-5408 59-5409.

FiB:sjh

F

Williams, F. (1958) 59-5410
Ann.Mag.nat.Hist., 1B(6):369-430
 Fishes of the family Carangidae in British East African waters

M

Morgans, J.F.C. (1959) 59-5408
Rep.E.Afr.High Comm., 1958:16-7, 20
 The fishery banks off Lamu

Gives chart of the N. Kenya continental shelf; draws attention to 59-5064. Comments on exploratory fishing results & prospects for commercial operations.

FiB:sjh

M

Strasburg, D.W. & H.S.H. Yuen (1958) 59-5411
Symp.Pap.8th Sess.IPFC/C58/Sym.2, 6 p.
 Preliminary results of underwater observations of tuna schools and practical applications of these results

Description of the fishing methods of skipjack, Katsuwonus pelamis, & summary of observations of the behaviour of skipjack, applicable to the improvement of fishing methods with special emphasis on feeding habits of skipjack schools.

SJH:tl

M

Williams, F. (1959) 59-5409
Rep.E.Afr.High Comm., 1958:18-9
 A note on the use of trammel nets in East African waters

Catch results of experimental nets off Zanzibar & Pemba: sp. composition, comment on commercial possibilities.

FiB:sjh

M

Glover, R.S. (1958) 59-5412
Symp.Pap.8th Sess.IPFC/C58/Sym.3, 8 p.
 Fish behaviour and the planktonic environment: the role of field observations

Notes on the use of continuous plankton recorder; interpretations; its results & their applications to fisheries problems. Review of some recent findings on relations between the abundance of plankton & fish.

SJH:tl

M

Daget, J. (1958) 59-5413
Symp.Pap.8th Sess.IPFC/C58/Sym.4, 5 p.
Les migrations de poissons dans les
eaux douces tropicales africaines
(The migrations of fish in tropical
African fresh waters)

Review of the migrations of tropical
fishes in streams in relation to
season & food & outline of a programme
for further study of these
migrations.

SJH:tl

F

Blaxter, J.H.S., F.G.T. 59-5416
Holliday & B.B. Parrish (1958)
Symp.Pap.8th Sess.IPFC/C58/Sym.7, 5 p.
Some preliminary observations on the
avoidance of obstacles by herring
(Clupea harengus L.)

Results of observations on herring
behaviour in aquarium in respect of
barriers with different net material
& mesh sizes in light & darkness.

SJH:tl

M

Anonymous (1958) 59-5414
Symp.Pap.8th Sess.IPFC/C58/Sym.5, 3 p.
Analysis of behaviour in commensalism

Review of the experiments of Prof.
Davenport which show what certain
animals are caused to do by factors
of specific action, released by other
host organisms with which they live
in associations.

SJH:tl

MF

Parrish, B.B., J.H.S. 59-5417
Blaxter & F.G.T. Holliday (1958)
Symp.Pap.8th Sess.IPFC/C58/Sym.8, 4 p.
Some notes on establishment and
maintenance of Atlantic herring
(Clupea harengus L.) in aquaria

Description of the methods of rearing
herring in aquarium - capture &
transport of herring into aquarium;
optimum size of aquarium & depth of
water, feeding & causes of mortality.

SJH:tl

M

Beauchamp, R.S.A. (1958) 59-5415
Symp.Pap.8th Sess.IPFC/C58/Sym.6, 3 p.
The commercial value of studies on
fish behaviour with particular reference
to lake Victoria

Review of the observations of behaviour
of Tilapia esculenta, T. zillii &
Clarias mossambicus in lake Victoria &
possibilities of application of this
knowledge to fishery & fisheries
management.

SJH:tl

F

Zusser, S.G. (1958) 59-5418
Symp.Pap.8th Sess.IPFC/C58/Sym.9, 5p.
A contribution to the study of fish
behaviour

Review of Russian works on fish
behaviour with emphasis on:
concentration of fish in eddies of
the currents, reactions to external
stimuli, conditioned reflectory
activity & study of tropism.

SJH:tl

MF

Keenleyside, M.H.A. (1958) 59-5419
Symp.Pap.8th Sess.IPFC/C58/Sym. 10, 3 p.
Research on the behaviour of Atlantic
salmon at the Biological Station, St.
Andrews, N.B.

Plan for the research on salmon
behaviour, with indications of
objectives & methods of study.

SJH:t1

MF

Kesteven, G.L. (1958) 59-5422
Symp.Pap.8th Sess.IPFC/C58/Sym. 14, 3 p.
Notes on: the basis, control and
integration of behaviour

Review of the basis to behaviour;
the influence of physiological states,
instincts & learning on the pattern
of behaviour & notes on nervous &
humoral control.

SJH:t1

G

Kesteven, G.L. (1958) 59-5420
Symp.Pap.8th Sess.IPFC/C58/Sym. 12, 5 p.
Notes on: the elementary actions

Definition of types of action;
classification of motion of fish by
cause & by fixed motor pattern.

SJH:t1

MF

Fry, F.E.J. (1958) 59-5423
Symp.Pap.8th Sess.IPFC/C58/Sym. 15, 12p.
The experimental study of behaviour
in fish

Review of present knowledge &
methods used in physiological studies
of behaviour & behavioral studies
at the ecological level.

SJH:t1

MF

Jones, F.R.H. (1958) 59-5421
Symp.Pap.8th Sess.IPFC/C58/Sym. 13, 20 p.
Reactions of fish to stimuli

Review of literature of the reactions
of fish to mechanical, temperature,
light, olfactory, gustatory, chemical
& electrical stimuli.

SJH:t1

MF

Kesteven, G.L. (1958) 59-5424
Symp.Pap.8th Sess.IPFC/C58/Sym. 19, 4p.
Notes on: the patterns of behaviour

Classification of patterns of
behaviour & of central nervous
functions of fish.

SJH:t1

MF

Soemarto, (1958) 59-5425
Symp.Pap.8th Sess.IPFC/C58/Sym. 21, 12 p.
 Fish behaviour with special reference
 to pelagic shoaling species: lajang
 (Decapterus spp.)

Distribution of the spp., their
 seasonal migrations & occurrence along
 different coasts & notes on the
 behaviour of lajangs near the lures &
 their reactions to the light.

SJH:tl

M

Kesteven, G.L. (Comp.)(1958) 59-5428
Symp.Pap.8th Sess.IPFC/C58/Sym. 20, 4 p.
 Some terms used in behaviour
 research

List. of terms with definitions.

SJH:tl

G

Soerjodinoto, R. (1958) 59-5426
Symp.Pap.8th Sess.IPFC/C58/Sym. 22, 4 p.
 On the behaviour of lemuru, Sardinella
allecia (Raf.) at Bali strait

Notes on the fishing methods of lemuru
 & observations on the behaviour of
 schools with respect to light, objects
 & sound.

SJH:tl

M

Ommaney, F.D. (1958) 59-5429
Symp.Pap.8th Sess.IPFC/C58/Sym. 24, 1 p.
 Fish behaviour with particular
 reference to pelagic shoaling species

Short summary report with one basic
 conclusion about the need for field
 observations.

SJH:tl

MF

Nomura, M. (1958) 59-5427
Symp.Pap.8th Sess.IPFC/C58/Sym. 23, 2 p.
 Some knowledge on behaviour of fish
 schools

Description of diurnal phototactic
 vertical migrations of sardine,
Sardinops melanosticta, in Japanese
 waters, & notes on the behaviour of
 sardine in respect of nets.

SJH:tl

M

Canadian Interdepartmental 59-5430
 FAO Committee (1958)
Ottawa, 25 p.

Agriculture, fisheries, forestry and
 nutrition in Canada 1955-1957 -
 Progress and program report to the
 Food & Agriculture Organization of
 the United Nations (FAO)

Incl. chapter on fisheries, under
 headings: Supply & Demand;
 Assistance Programs; Inspection &
 Grading; Development & Conservation;
 & International Agreements.

FiB:sjh

MF

Barnes, H. & 59-5431
E.F.W. Goodley (1958)
Glasg.Nat., 18:45-54
A note on rainfall in the west of
Scotland

F

Palin, A.T. (1958) 59-5434
Proc.Soc.Wat.Treatm.Examin., 6:133-6
Simplified methods for determining
residual chloride compounds in water
using diethyl-p-phenylene diamine
(DPD)

F

Downing, A.L. (1958) 59-5432
Aquarist, Lond., 23:47-52
Aeration in aquaria

F

Pettet, A.E.J. (1958) 59-5435
Surveyor, Lond., 117:301-5
Methods of analysis in the field
of pollution control

F

Ovington, J.D. (1958) 59-5433
J.Brit.Waterwks.Ass., 40:175-83
Vegetation and water conservation

F

Price, D.H.A. (1958) 59-5436
Proc.Soc.Wat.Treatm.Examin., 6:120-8
The work of River Boards in relation
to water supply

F

Rutter, A.J. (1958) 59-5437
Surveyor, Lond., 117:189-93
The effect of afforestation on
rainfall and run-off

F

Taylor, E.W. (1958) 59-5440
Yearb.Riv.Bds Ass., 1958:32-8
River water quality from the water-
works point of view

F

Shaw, J. & 59-5438
B.W. Staddon (1958)
J.exp.Biol., 35:85-95
Conductimetric method for the
estimation of small quantities of
ammonia

F

Waldmeyer, T. (1958) 59-5441
J.Instn Wat.Engrs, 12:389-408
Rates of flow of underground water
and the choice of tracers to
determine them

F

Spencer, E.A. & 59-5439
J.S. Tudhope (1958)
J.Instn Wat.Engrs, 12:127-38
A literature survey of the salt
dilution method of flow measurement

F

Baker, L.A.E. & 59-5442
E. Billing (1958)
J.appl.Bacteriol., 21:4-10
Further observations on the
bacterial content of water in
watercress beds

F

Beck, J.V. & S.R. Elsedon (1958)
J.gen.Microbiol., 19
Isolation and some characteristics of
an ironoxidizing bacterium

59-5443

F

Powell, E.O. (1958)
J.gen.Microbiol., 18:259-68
Criteria for the growth of
contaminants and mutants in
continuous culture

59-5446

F

Burman, N.P. (1958)
Proc.Soc.Wat.Treatm.Examin., 6:129-32
Estimation of sulphate-reducing
bacteria in soils

59-5444

F

Coult, D.A. & K.B. Vallance (1958)
J.exp.Bot., 9:384-402
Observations on the gaseous exchanges
which take place between Menyanthes
trifoliata L. and its environment.
Part II

59-5447

F

Jannasch, H.W. (1958)
J.gen.Microbiol., 18:609-20
Studies on planktonic bacteria by
means of a direct membrane filter
method

59-5445

F

Wilson, K. (1958)
Ann.Bot., Lond., 22:449-56
Extension growth in primary cell-
walls with special reference to
Hippuris vulgaris

59-5448

F

Brook, A.J. (1958) 59-5449
Naturalist, Lond., (866):91-5
 Notes on desmids of the genus
Staurostrum - II. Staurostrum leptoder-
 mum, S. longispinum, S. brasiliense,
S. setogerum, S. clevei and S.
tohopekaligense var. trifurcatum

F

Lewin, R.A. (1958) 59-5452
J.gen.Microbiol., 19:87-90
 The cell walls of Platymonas

F

Harris, K. (1958) 59-5450
J.gen.Microbiol., 19:55-64
 A study of Mallomonas insignis and
Mallomonas akrokomos

F

Naylor, M. (1958) 59-5453
Phycol.Bull., (6):34-40
 Chromosome numbers in the algae

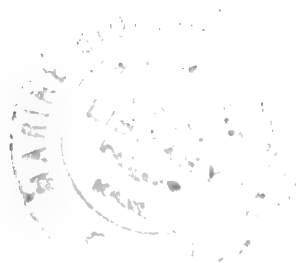
MF

Harris, K. & 59-5451
 D.E. Bradley (1958)
J.gen.Microbiol., 18:71-83.
 Some unusual Chrysophyceae studied in
 the electron microscope

F

Ford, J.E. (1958) 59-5454
J.gen.Microbiol., 19:161-72.
 B₁₂-vitamins and growth of the
 flagellate Ochromonas malhamensis

F



Preston, R.D. (1958) 59-5455
Sci.Progr., 46:593-605
The physiological significance of
electron microscopic investigations of
plant cell walls

F

Colless, D.H. (1958) 59-5458
Bull.ent.Res., 49:45-7
An improved technique for permanent
mounts of small insects and
nematodes

G

Samejima, H. & 59-5456
J. Myers (1958)
J.gen.Microbiol., 18:107-17
On the heterotrophic growth of
Chlorella pyrenoidosa

F

Gillies, M.T. (1958) 59-5459
Ann.trop.Med.Parasit., 52:261-73
A modified technique for age-grading
of populations of Anopheles gambiae

F

Wilson, B.W. & 59-5457
W.F. Danforth (1958)
J.gen.Microbiol., 18:535-42
The extent of acetate and ethanol
oxidation by Euglena gracilis

F

Laurence, B.R. & 59-5460
S.A. Smith (1958)
Trans.R.Soc.trop.Med.Hyg., 52:518-26
The breeding of Taeniorhynchus
(subgenus Mansonioides) in the
laboratory

F

Macleod, J. (1958) 59-5461
Trans.R.ent.Soc.Lond., 110:363-92
The estimation of numbers of mobile
insects from low-incidence recapture
data

G

Bradbury, S. (1958) 59-5464
Quart.J.micr.Sci., 99:131-42
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of the connective-tissue fibres of the
leech, Hirudo medicinalis

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J. Tueckett micr.Cl., 5(4):50-1
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phanes senta (O.F. Müller)) alive
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Hirudo medicinalis

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Limnophila larvae (Diptera-Tipulidae)

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larvae (Diptera-Tipulidae)

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Tipulinae (Dipt., Tipulidae) - Part 3.
The larva of Tipula montium Egg. and
T. couckeri

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Ent.mon.Mag., 94:230-2
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Tipulinae (Dipt., Tipulidae) - Part I.
The larva of Tipula fascipennis Mg. and
T. pagana Mg.

F

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Cultural, cytological and ecological
observations on the amoeba stage of
Naegleria gruberi

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Ent.mon.Mag., 94:241-4
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Tipulinae (Dipt., Tipulidae) - Part 2.
The larvae of the subgenus Vestiplex
Bezzi

F

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J.gen.Microbiol., 18:579-85
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transformation of Naegleria gruberi

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Proc.R.ent.Soc.Lond., 27B:127-8
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 (Coquillettia) pseudoconopas Theobald
 and M. (C.) maculipennis Theobald
 (Diptera: Culicidae)

F

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 subspecies of Anopheles wellcomei
 (Diptera: Culicidae) from East
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 related forms

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(17) 1-37

A key to the adults and nymphs of
British stoneflies (Plecoptera) with
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(Walker) and Anisocentropus elegans
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F

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J. Soc. Brit. Ent., 6: 15-22
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Dytiscus marginalis L., and a comparison
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Oxyethira (Trichoptera: Hydroptilidae)

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349-58
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359-68

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British species of the genus Ephemera

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Ent.Gaz., 9:102
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gills in Zygoptera

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III. Swimming in Dytiscus, Hydrophilus,
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Agabus (Coleoptera: Dytiscidae)

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the locomotion of fish

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Mochocidae) in Kenya

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in Co. Tyrone

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waters of lake Victoria

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The mechanism of gill ventilation in
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& Industrial Research (1958)
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Waste waters and fish

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The effect of mineral fertilisers on
trout lochs

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Fisheries Institute (1958)
Miami Beach, Florida, 5 p.
Resume of the Panama situation

Resume of material on biology &
fishery - methods, history,
economics - for Penaeus spp.,
presented to 10th annual meeting of
Gulf & Caribbean Fisheries Institute,
Nov., 1958.

FiB:sjh

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How to begin the study of Tardigrades

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Dublin, 34 p.
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September, 1957 on administration
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intensity, engineering works,
research on Salmo salar, enforcement
of regulations, stocking - &
management, incl. catch & effort
statistics. Appendices give trading
accounts, regulations made during
the year.

GLK:sjh

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Paris, 9 p.
Report of the third session of the
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Marine Sciences

Introduction, review of past
activities, international collaboration
in oceanography, plans for work in
Indo-Pacific area. Discussion of other
projects. Text of recommendations,
list of participants, report of a
special consultants' meeting on
UNESCO's role in promoting oceanic
exploration.

SJH:sjh

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Verkeerswezen (1959)
75 p.
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Vissersvaartuigen (Official list
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U.S.Gov.Printing Off., 201-317
Annual report of the Secretary of the
Interior for the fiscal year ended
June 30, 1958

Incl. brief notes on fish & wildlife
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connection with reservoirs, & water
use problems.

SJH:sjh

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Amer.Nat., 93:93-101
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between geographically remote
populations of a planorbid snail

Gives the results of crossing
experiments between remote populations
of Taphius glabratus using albinism
as a genetic marker. Each sample
consisted of a recessive albino from
Brazil & a homozygous pigmented
specimen from Brazil or Venezuela.

FAO:hr

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Monte-Carlo, 140-59
International hydrographic bulletin
no. 5. En Fr

Contains notes on the activities of
the Bureau & information on charts,
sailing directions, lights, tides
currents, work carried out &
projected & new charts & new editions
of charts.

FAO:glk

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S.Afr.Shipp.News Fish.Ind.Res., 14(2):
51
West coast fishing boats make good
catches in False bay area

Note on vessels employed in 1959
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West coast.

FAO:sjh

M

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S.Afr.Shipp.News Fish.Ind.Res., 14(2)

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SCHIPA moves to Durban

Transfer of 108 ft research vessel
SCHIPA from Cape Town to Durban for
deep sea fishing expeditions.

FAO:sjh

M

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S.Afr.Shipp.News Fish.Ind.Res., 14(2)

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Harbours for fishing craft on new
Rhodesian lake

Note on development projects for
lake Kariba.

FAO:sjh

F

Anonymous (1959) 59-5546
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

52-3

S.W.A. administration orders £40,000
vessel for rock lobster research

A note on the design of a 74 foot
diesel vessel, the ANGRA PEQUENA & the
research programme with which it will
be concerned off South West Africa.

FAO:sjh

M

Anonymous (1959) 59-5549
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

55, 57

Synthetic fibre nets help Amazon
fishermen increase their catch

Short article based on account by
A.W. Meschkat (FAO) of fishery
problems of the area.

FAO:sjh

F

Anonymous (1959) 59-5547
S.Afr.Shipp.News Fish.Ind.Res., 14(2):53
Tilapia stock for Kariba lake

Note on first fingerling stocking of
this N. Rhodesian lake.

FAO:sjh

F

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S.Afr.Shipp.News Fish.Ind.Res., 14(2)

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Two nations may withdraw from
whaling convention

Note on notices of withdrawal of
Norway & Netherlands from IWC.

FAO:sjh

M

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G.Pesca, 9(10):5
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 con uova di persico-trota a Mantova
 (Experiments in artificial breeding with
 black bass spawn at Mantova)

Report of observations on the
 behaviour of the black bass in
 relation to their nests.

GLK:glk

F

Milo di Villagrazia, P. (1959) 59-5554
Boll.Pesca, 35(1):7-9
 Saggi chimici-analitici sulle acque
 dolci, salmastre e marine ai fini
 della pesca (Chemical analytical
 sampling of fresh, brackish and salt
 water for fishing purposes)

Techniques of water sampling &
 chemical analysis.

GLK:glk

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M.B. (1959) 59-5552
G.Pesca, 9(10):6
 Mare Ligure mare povero (Ligurian
 waters -- poor waters)

Brief note of results of fishing &
 discussion of reasons for apparent
 poverty of these waters.

GLK:glk

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D'Arrigo, A. (1959) 59-5555
Boll.Pesca, 35(1):9-11
 L'estrazione degli idrocarburi in
 mare, la navigazione subacquea e la
 pesca (Oil extraction from the
 sea, underwater navigation and
 fisheries)

Discussion of the effects of oil
 extraction from the continental shelf.

GLK:glk

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Zolezzi, G. (1959) 59-5553
Boll.Pesca, 35(1) 1-7
 Primo elenco di bacini e laghetti
 montani passibili di sfruttamento ittico
 (First list of water basins and
 mountain lakes suitable for fishery)

Dimensions of each of these bodies
 of water listed & possible use to be
 made.

GLK:glk

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Flaccoccio, E. (1959) 59-5556
Corriere d.Pesca, 15(3):3
 Possibilità di acclimatare, nei
 laghetti collinari di Calabria e di
 Sicilia, il prezioso pesce "Gurami"
 (The possibility of acclimatizing the
 previous fish "Gurami" in the mountain
 lakes of Calabria and Sicily)

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J.B.Lippincott Co., Philadelphia, 188 p.
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 G. Hempel (1958)
Kurze Mitt.Inst.FischBiol.Univ.Hamburg,
 (8):1-10
 Zur Beziehung von Wassergehalt und
 Längen-Gewichtskoeffizient bei
 Schollen (Pleuronectes platessa L.)
 (On the relation between water content
 and the coefficient of length: weight
 of plaices, P. platessa L.). En

States that the water content is
 directly related to the condition
 factor which is in turn related to the
 correlation between age & weight.
 FAO:dr M

Gayral, P. (1958) 59-5558
Rabat, 524 p.
 Algues de la côte atlantique marocaine
 (Algae from the Atlantic coast of
 Morocco)

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Harder, W. (1958) 59-5561
Kurze Mitt.Inst.FischBiol.Univ.Hamburg,
 (8):11-61
 Zur Anatomie des Darmtraktes einiger
 Familien der Clupeoidea: Clupeidae,
 Dorosomatidae, Dussumieriidae und
 Engraulididae (Clupeiformes, Pisces)
 (On the anatomy of the intestine turns
 of some families belonging to
 Clupeoidea: Clupeidae, Dorosomatidae,
 Dussumieriidae & Engraulididae -
 Clupeiformes, pisces). En

Comparative descriptions of 101 spp.

FAO:dr

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Amer.J.Bot., 45:737-43
 Three new chlorophycean algae

 Description of Neochloris alveolaris,
Ulothrix fimbriata & Hazenia mirabilis,
 & their life histories.

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Kurze Mitt.Inst.FischBiol.Univ.Hamburg,
 (8):63-75
 Altersbestimmungen an Fischen aus den
 Salmonidenregionen einiger Elbeneben-
 flüsse im Raum Hamburgs (Age-
 determinations on fish living in the
 trout-region of some tributaries of
 the Elbe river). En

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 E.D. Stroup (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (1958) 250 p.
 Oceanographic observations in the
 central North Pacific, September 1954 -
 August 1955

Tabulated & graphical oceanographic
 & maritime meteorological data.

GLK:tl

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Amer.Nat., 91:129-33
 Biological chronometry

Consideration of the general nature
 & significance of the problem.

FAO:lr

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 D.D. Stewart (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (285):16 p.
 Estimating maximum fishing depth of
 longline gear with chemical sounding
 tubes
 Summary of methods used. POFI studies
 of Germo alalunga in central N. Pacific

GLK:sjh

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Stephens, G.C. (1957) 59-5567
Amer.Nat., 91:135-51
 Twenty-four hour cycles in marine
 organisms

Reviews some recent contributions made
 to the analysis of the 24-hour color
 change rhythm of the fiddler crab,
Uca; examines synoptically the field
 of biological rhythms assessing the
 present state of information.

FAO:hr

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International Group of 59-5565
 Consulting Engineers (1958?)
The Hague, 9 p.
 Fishing industry demonstration project
 survey of the objectives, execution
 and results of an investigation into
 the German fishing industry
 Incl. a production programme; notes
 on operation of vessels.

GLK:sjh

M

Fingerman, M. (1957) 59-5568
Amer.Nat., 91:167-78
 Lunar rhythmicity in marine organisms

A review of the following topics;
 lunar rhythms of: motion & locomotion,
 breeding & color change; adaptive
 significance, & possible mechanisms of
 lunar rhythms.

FAO:hr

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Mauritius, Department of 59-5569
 Agriculture (1959)
 Port Louis, 62 p.
 Annual report for the year 1957

Incl. section on fresh water fisheries,
 pond construction for experimental
Tilapia production; feeding experiments
 with T. macrochir, T. zillii & T.
melanopleura.

FAO:sjh

F

Bermúdez, P.J. (1958) 59-5571
Acta cient.venezol., 9:122-5
 Los foraminíferos pelágicos de la
 region Caribe-Antillana (Paleoceno-
 Reciente) (Pelagic foraminifera
 of the Caribbean-Antilles region,
 Paleocene-Recent)

A systematic study of foraminifera
 of Globigerinidae & Globorotaliidae.

FAO:hr

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Bardach, J.E. & 59-5570
 R.G. Bjorklund (1957)
Amer.Nat., 91:233-51
 The temperature sensitivity of some
 American freshwater fishes

The mechanism involved in temperature
 perception, namely, areal or spatial
 summation from individual small skin
 fibers which enables the fish to sense
 rapid temperature changes of about
 .05°C was tested experimentally.

FAO:jeb

F

Senn, H.V. & 59-5573
 H.W. Hiser (1957)
Proc. 6th Weather Radar Conference,
Cambridge, Mass., March 26-28, 1957-70
 Tracking hurricanes with radar

Discusses & describes previous
 tracking methods & some
 discrepancies between various center
 positions. Gives notes on a new
 method developed for finding storm
 centers by log. spiral overlays which
 describe spiral precipitation bands
 as observed on radar & their relation
 to storm center.

FiB:efa

M

Scott, A.M. & 59-5571
 R. Grönblad (1957)
Acta Soc.Sci.fenn., 2B(8):62 p.
 New and interesting desmids from the
 southeastern United States

Ill. detailed taxonomy & description
 of desmid flora of the region, with
 a list of the collections & habitats
 mentioned. Incl. bibliographic list.

FAO:efa

F

Longhurst, A.R. (1958) 59-5574
Fish.Publ., Lond., (11):101 p.
 An ecological survey of the West
 African marine benthos

Describes bottom topography &
 sediments, hydrography & bathymetric
 distribution of organisms, benthos
 communities in estuaries, & on
 different kind of bottoms in sea.
 Comparison of these communities with
 those in higher latitudes.

FAO:tl

MF

Travassos, H. (1959) 59-5575
Trop. Fish Hobbyist, 7(6):5-7, 48-9
 A new species of characid fish from
 Trinidad, Aphyocharax axelrodi

Describes a new sp. of the
 Cheirodontinae.

HR:wad

F

Tesch, F.W. (1958) 59-5578
Gewässer u. Abwässer, (20):40-55
 Ernährung und Wachstum der Salmoniden
 in einer Trinkwassertalsperre
 (Feeding and growth of salmonides in an
 artificial lake for drinking water)

Short ecological description of the
 lake; composition of food & growth of
Salmo irideus, S. fontinalis & S.
trutta fario.

FAO:tl

F

Harnisch, O. (1958) 59-5576
Gewässer u. Abwässer, (20):7-12
 Leben ohne Sauerstoff namentlich bei
 euryoxybionten Süßwassertieren
 (Life without oxygen namely by
 euryoxybionte fresh water animals)

Review of the physiology of animal
 life in the absence of oxygen in the
 water & bottom sediments.

FAO:tl

F

Hoch, K. (1958) 59-5579
Gewässer u. Abwässer, (20):56-60
 Die Wasserkäfer des Schwarzen Wassers
 bei Wesel (Water beetles of the
 "Schwarzes Wasser" (Black Water) by
 Wesel)

Taxonomic listing of the beetles
 found with few remarks on their
 distribution & ecology.

FAO:tl

F

Bursche, E.-M., H. Kühl 59-5577
 & H. Mann (1958)
Gewässer u. Abwässer, (20):13-39
 Hydrochemische Faktoren und Phyto-
 plankton während einer Tide in der
 Elbmündung bei Cuxhaven (Hydro-
 chemical factors and phytoplankton
 during a tide in the Elbe estuary by
 Cuxhaven)

Hydrochemistry of the estuarian water
 & the occurrence of fresh water &
 marine algae by spp. & quantities.

FAO tl

MF

Wülker, W. (1958) 59-5580
Gewässer u. Abwässer, (20):61-7
 Parasitäre Intersexualität bei
 Chironomiden des Schluchsees
 (Parasitary intersexuality of the
 Chironomides of the Lake Schluchsee)

Contents as per title.

FAO:tl

F

Casemir, H. (1958) 59-5581
Gewässer u. Abwässer, (20):68-85
 Die Spinnenfauna am "Schwarzen Wasser"
 bei Wesel (The spider fauna on the
 "Schwarzen Wasser" by Wesel)

List of spp. found & notes on their
 ecology.

FAO:tl

F

Mann, H. (1958) 59-5584
Allg. FischZtg., 83:249-50
 Neuere Ergebnisse der Bekämpfung der
 Bauchwassersucht mit Antibiotika
 (New results of dropsy control by
 antibiotics)

Gives results of treatments with
 antibiotics & emphasizes the
 importance of disinfection of ponds.

FAO:dr

F

Benisch, J. (1958) 59-5582
Gewässer u. Abwässer, (20):86-7
 Caedax 547, ein neues Einbettungsmittel
 für Plankton-Organismen (Caedax
 547, a new mean for mounting of
 plankton organisms on the microscope
 slides)

Description of the use of the
 chemical & its properties.

FAO:tl

G

Schiemenz, F. (1958) 59-5585
Allg. FischZtg., 83:309-11
 Neuere Anschauungen über die
 Notwendigkeit von Fischtreppe an
 Wehren in Flüssen (New concepts on
 the necessity of fishways attached to
 river weirs)

Account of discrepancies between fish
 & power management in rivers, with
 notes on construction & improvement
 of fish-ways.

FAO:dr

F

Bank, O. (1958) 59-5583
Allg. FischZtg., 83:136-7
 Zur Bekämpfung der Wasserpest
 (On the control of water-weed)

Notes on the behaviour of Elodea & a
 brief review of methods for control.
 States possibilities of control with
 N-fertilizers.

FAO:dr

F

Jens, G. (1958) 59-5586
Allg. FischZtg., 83:369-70
 Schutz des Fischbestandes bei
 Unterwassersprengungen mit Hilfe eines
 Luftschleiers (The protection of
 the fish stocks by the mean of an
 'air-curtain' established in the
 course of underwater explosions)

Description of the method.

FAO:dr

F

Vernon, E.H. (1958) 59-5587
New Westminster, B.C., 49 p.
 An examination of factors affecting
 the abundance of pink salmon in the
 Fraser river

A study in which climatically
 influenced features of the freshwater
 environment & early marine residence
 of Oncorhynchus gorbuscha are compared
 with subsequent adult abundance.

GLH:wad

MF

Meixner, R. (1958) 59-5590
Dtsch.FischZtg., 5:372
Hefezusatz zum Forellenfutter
 (Admixture of yeast to food of trout)

Brief review of results obtained in
 feeding fingerlings.

FAO:dr

F

Subklew, H.-J. (1958) 59-5588
Dtsch.FischZtg., 5:353-4
Muss der Meeresgrund gepflügt werden?
 (Must the sea bottom be ploughed?)

A popular account of the harmful
 effect of trawling.

FAO:dr

II

Breitenstein, W. (1958) 59-5591
Dtsch.FischZtg., 5:375-8
Fischereibetrieb und Nerzzucht
 (Fisheries management and mink
 breeding)

Cost & earnings of combined fish
 & mink breeding.

FAO:dr

F

Zobel, H. (1958) 59-5589
Dtsch.FischZtg., 5:357-61
Stellung der Plötze in den Erträgen
des VEB Binnenfischerei Potsdam
 (The part of roach in the production
 of the VEB Binnenfischerei Potsdam)

Gives statistics of catch & value.

FAO:dr

F

Bank, O. (1959) 59-5592
Allg.FischZtg., 84:43-5
Wodurch wird die Tätigkeit des
Teichbodens beeinflusst? (What
 does influence the activity of the
 pond's bottom?)

Brief review of the subject.

FAO:dr

F

India. Ministry of Food 59-5593
& Agriculture (1958)
Indian Fisheries Bulletin, 5(2):35 p.

General notes on the condition & development of Indian fisheries; reports of research activities with summaries of published papers; digest of information on foreign fisheries obtained from overseas journals.

FAO:glk

MF

Anonymous (1959) 59-5596
S.Afr.Shipp.News Fish.Ind.Res., 14(3):
49, 51, 53

Research will help fishing industry reach its maximum safe catch

Notice of the 14th annual report of the Fisheries Development Corporation of South Africa Ltd.

FAO:glk

M

Nümann, W. (1959) 59-5594
Allg.FischEtg., 84:49-50
Fischtransporte über weite Strecken
(Die Besetzung anatólischer Binnengewässer mit Felchen, Aal und Zander)
(Long distance transport of fish - The stocking of Anatolian inland water with whitefish, eel and pike-perches)

Reports restocking measurements undertaken in Western Turkey in 1954.

FAO:dr

F

International Oceanographic 59-5597
Foundation (1959)
Sea Secrets, 3(3):3 p.

Answers to various biological & other questions received by the International Oceanographic Foundation; miscellaneous notes on marine life.

FiB:sjh

M

GFCM (1959) 59-5595
Stud.Rev.gen.Fish.Coun.Medit., (6):27 p.
Mediterranean trawling second and third reports

Description of the gears, physical measurements made of their operation & some results of selectivity experiments.

SJH:glk

M

Faure, L. (1958) 59-5598
Sci.Pêche, (64):5 p.

Résultats préliminaires de la première campagne 1958 du PRESIDENT THEODORE TISSIER (Preliminary results of the first cruise of 1958 of the PRESIDENT THEODORE TISSIER)

Results of observations on prevailing hydrographic conditions & concentrations of sardine & other spp. at the southern entrance of the English Channel.

FAO:hr

M

Queensland. Department of 59-5599
Harbours & Marine (1958)
Brisbane, 28 p.
Report for the year ended 30th June,
1958

Contains reports by Harbours Branch
& Portmaster on engineering &
navigational matters; & by the Chief
Inspector of Fisheries, dealing with
licencing, fish supplies, legislation
& prosecution, oyster, prawn, scallop,
shell fisheries; research by the State
& by CSIRO; publications, staff.
Appendices give accounts, licenses
issued, production statistics for

India, Ministry of Food 59-5602
& Agriculture (1958?)
(mimeo), 83 p.
National report to the Food and
Agriculture Organization of the
United Nations (1955-57)

Incl. chapter on fisheries of the
country.

FiB:sjh

MF

59-5599
(Card 2)
pearl-shell, trochus & Boche-de-mor.

FAO:sjh

MF

Ryan, J.H. (1959) 59-5603
Calif. Fish Game, 45:93-109
California inland angling estimates
for 1954, 1956, and 1957

Describes methods used & results
obtained in a survey based on
questionnaires sent to a stratified
random sample of all angling license
buyers & covering catches of inland
fish incl. striped bass, Roccus
saxatilis, & Oncorhynchus.

SJH:wad

MF

Sudan. National FAO 59-5601
Committee (1958)
Khartoum, 73 p.
Report to the Food and Agriculture
Organization of the United Nations,
period 1955-1957

Incl. sections on fisheries under main
headings: Food & Agricultural
Activities 1955-57; Research; Main
Problems Outstanding. As this is the
1st such report, it contains general
description of climate, vegetation &
agricultural background of the Sudan.

FiB:sjh

MF

Fisk, L.O. (1959) 59-5604
Calif. Fish Game, 45:111-22
Experiments with a vertical blaffle
fishway

Describes methods used & results
obtained in testing a device suitable
for passing upstream migrants,
especially striped bass, Roccus
saxatilis, shad, Alosa sapidissima &
sturgeon, Acipenser, over a barrier
on the Sacramento river, California.

SJH:wad

MF

Bucksch, R. (1959) 59-5605
Ost.Wasserw., 11(1):7-9
 Fragen des internationalen Wasserrechtes
 (Questions of international water rights)

Legal discussion.

FiB:glk

F

Roy, J.-M. (1958) 59-5608
Actualités mar., 2(3):3-10
 La lamproie (The lamprey)

Distinctive characters; biology;
 economic importance of Petromyzon
marinus, Ichthymyzon unicuspis, I.
fossor & Entosphenus lamottenii.

FAO:glk

MF

Fu-tu, L. (1958) 59-5606
Acta hydrophys., 5(2):81-102
 Die Regulierung des Hwangho
 (The regulation of the Hwangho)

Outline of plans for regulation of
 the Chinese river to prevent erosion
 & flooding.

GLK:tl

F

Couillard, P. (1958) 59-5609
Actualités mar., 2(3):24-6
 L'utilité scientifique des
 invertébrés marins (The
 scientific value of marine
 invertebrates)

Popular discussion of the use of
 invertebrate forms for study of
 fundamental questions in biology.

FAO:glk

M

Freeman, B.O. (1959) 59-5607
Miss.Game Fish, 22(6):5
 Fishing the flood control reservoirs

A brief report on the results of a
 study to determine fishing pressure &
 harvest on Grenada, Enid & Sardis
 reservoirs, Mississippi.

FAO:wad

F

Berube, Z. (1958) 59-5610
Actualités mar., 2(3):27-32
 Statistiques des pêches maritimes du
 Québec - 1957 (Statistics of
 Quebec marine fisheries 1957)

Quantity & value of catch by spp. &
 regions; utilisation; fishing boats
 & gears, ice-plants etc.; fishermen
 of each region engaged in each unit
 fishery & on each kind of boat.

FAO:glk

M

Perlin, A.B. (Ed.) (1958?) 59-5611
St. John's, Newfoundland
The story of Newfoundland

New & fully revised history of Newfoundland, with a description of the social & economic life of the province, its natural history, resources, public services, industry & culture.

Switzerland. National 59-5614
 FAO Committee (1958)
Berne, 38 p.

Huitième rapport trisannuel adressé par la Suisse à l'Organisation des Nations Unies pour l'Alimentation et l'Agriculture 1955, 1956 et 1957 (Eighty triannual report of Switzerland to the Food and Agriculture Organization of the United Nations 1955, 1956 and 1957)

Incl. some statistics of fish production & consumption.

FID:sgj

F

Power, E.A. (1958?) 59-5612
Statist. Dig. U.S. Fish & Wildl. Serv., (43)
Fishery statistics of the United States, 1956

Incl. data on the volume & value of the catch of fishery products, employment in the fisheries, quantity of gear operated, number of fishing craft employed in the capture of fishery products, & information on the volume & value of the production of manufactured fishery products & by-products. Historical catch statistics for all regions of the United States.

Turekian, K.K. (1958) 59-5615
Nature, Lond., 182:1728-9

Rate of accumulation of nickel in Atlantic equatorial deep-sea sediments and its bearing on possible extra-terrestrial sources

Data on rate of accumulation of nickel in sediments & discussion of its origin from terrestrial source.

GLM:tl

H

Bradley, V.H. & 59-5613
 P. Cooke (1958)
Fish. Bull., U.S., (137):335-34
Living and ancient populations of the clam (Gemma gemma) in a Maine coast tidal flat

2 spp., G. gemma & Mya arenaria, have occupied the flat jointly for at least a thousand years. Subsurface evidence indicates that twice during this interval the populations were removed catastrophically from most of the sandy part of the flat each time re-established themselves.

Alison, R. (1958) 59-5616
Nature, Lond., 182:1745
A bucco-hypophysial canal in Elops saurus

Describes a canal connecting the pituitary & the oral epithelium in young individuals & discusses its phylogenetic significance.

GLM:wd

L

de Silva, P.H.D.H. (1958) 59-5617
Nature, Lond., 182:1751-2
Use of artificially liberated larvae
in experiments on the setting
behaviour of Spirorbis

Describes their viability &
discrimination in selecting substrates
as compared with naturally liberated
larvae; relates use of the method
to spp. determination & anti-fouling
research.

GLK:wad

M

PCIFC 1946. Chairman of 59-5620
the Committee (1958)
Conf.Pap.PCIFC 1946 , 7th Meet.PC7/95
7 p.
Committee on mesh difficulties -
Report

Reviews terms of reference of the
committee & summarizes the precise
difficulties of member countries as
regard to the application of present
mesh provisions on sole, whiting, &
mixed fishes.

CLK:efa

M

Russell, F.S. (1958) 59-5618
Nature, Lond., 182:1755
Salt excretion in marine birds

Describes observations of presumed
salt excretion in lesser black-backed
gulls in the North Sea.

GLK:wad

M

PCIFC 1946. Sub-Committee 59-5621
of Scientists (1958)
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/95Annex, 128 p.

Application of present mesh
provisions: committee to consider
difficulties experienced by member
countries

Reports catch statistics, distribution
of fisheries, size composition of
landings, price structure of market
categories & effect of mesh regulations
for sale, whiting, haddock plaice &
mixed fishes by catches from herring
& mackerel fisheries & other than

PCIFC 1946 (1958) 59-5619
Dublin
International Fisheries Convention of
1946 conference papers for the seventh
meeting of the Permanent Commission,
Dublin, November 1958

Contains 59-5620 to 59-5625.

GLK:

M

59-5621
(Card 2)
these fisheries. Incl. revision of
the Hague report on the sale
fisheries.

CLK:efa

M

PCIFC 1946. Liaison Committee (1958) 59-5623
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/96Rev., 4 p.
Report of the Liaison Committee,
Saturday, 4th October, 1958

CLK:

Aglen, A.J. (1958) 59-5626
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/99
Statement of payments and receipts for
the year ended 30th June, 1958

CLK

Savage, A. (1958) 59-5624
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/97
Information and statistics on
industrial fisheries

Contains statistical information
concerning industrial fisheries of
Denmark, Norway, Sweden & Germany.

GLK:efa

M

PCIFC 1946. (1958) 59-5627
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/100(3rd Rev.),
List of memoranda circulated up to
27th November, 1958

GLK:

M

Drost, H.S. (1958) 59-5625
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/98, 4 p.
Report by the Infractions Committee

Incl. summary of infringements on
mesh of nets & undersized fish for
year 1957.

GLK:efa

M

Mont, A.E.J. (1958) 59-5628
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/101
Report by the Commission's observer at
the meeting of the International
Council for the Exploration of the
Sea: Copenhagen, 29th September to 4th
October, 1958

GLK:

M

PCIFC 1946 (1958) 59-5629
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/102Rev.,
Delegates and advisers attending

GLK:

Jónsson, J. (1958) 59-5632
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/105
Report by the Commission's observer
at the meeting of the International
Commission for the Northwest Atlantic
Fisheries Halifax, Canada, 9th to
14th June, 1958

GLK:

PCIFC 1946 (1958) 59-5630
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/103
Minutes of sessions

GLK:

PCIFC 1946 (1958) 59-5633
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/107Rev.
Amendment of article 7(2) of the
Convention

GLK:

PCIFC 1946 (1958) 59-5631
Conf.Pap.PCIFC 1946 , 7th Meet., PC7/104
Supplementary report of the Liaison
Committee: arising principally out of
results communicated to the Comparative
Fishing Committee during the I.C.E.S.
meeting in 1958

GLK:

PCIFC 1946 (1958) 59-5634
Conf.Pap.PCIFC 1946 , 7th Meet.,
PC7/108Rev.
Note on conclusions reached by the
commission at their seventh meeting

GLK:

PCIFC 1946. Korringa's 59-5635
Working Party (1958)
Conf.Pap.PCIFC 1946, 7th Meet.,
PC7/109

Mesh size for whiting in region VII

Presents suggestions to commission's
consideration on adoption of 60 mm
mesh for whiting in certain parts of
region VII.

GLK:efa

M

Rangneker, P.V., B.B. 59-5638
Gaitonde & S.S. Mandrekar (1958)
J.biol.Sci., 1:78-83

Effects of pharmacological agents
on the rhythmic activity of the
heart of Panulirus polyphagus (Herbst)

Bersamin, S.V. (1957) 59-5636
Philipp.J.Sci., 86:339-57
Fluctuations in the planktonic
population of the estuaries of Navotas
and Malabon

Hair, K.K. & 59-5639
S.R. Sane (1958)
J.biol.Sci., 1L99-100
Histochemical demonstration of
alkaline phosphatase activity in the
body wall of Hydra sp.

Subrahmanyam, R. (1958) 59-5637
J.Indian bot.Soc., 37:435-41
Phytoplankton organisms of the Arabian
Sea off the west coast of India

Sundaralingam, V.S. (1959) 59-5640
Proc.Indian Acad.Sci., 49B:7-51
Systematic account of the South
Indian Characeae

Palmer, G. & 59-5641
W.W.A. Phillips (1958)
J.Bombay nat.Hist.Soc., 55:486-92
Some observations on the fauna of the
Maldivé islands - 5. Fishes - 6.
Insects

Mohamed, K.H. (1958) 59-5644
J.Bombay nat.Hist.Soc., 55:512-7
Occurrence of the eel Meenachelys
buitendijki Weber and De Beaufur in
Indian waters

MF

Barnabas, J. & 59-5642
T. Barnabas (1958)
J.biol.Sci., 1 84-7
Lipids in the muscles of some
representative type of vertebrates

Silas, E.G. (1958) 59-5645
J.Bombay nat.Hist.Soc., 55:523-31
Remarks on Indian cyprinid fishes
described by Jerdon (1849) under
Gonorrhynchus McClelland

F

Birkhoff, G. (1957) 59-5643
Hansa, 94(12-13):593
The factory ship of the future
Description of the future trends in the
construction of factory ships.

Goldschmidt, F.R. (1958) 59-5646
J.Bombay nat.Hist.Soc., 55:473-80
Catla fishing in Powai lake, Greater
Bombay

F

stl

II

Jonklaas, R. (1958) 59-5647
Loris, 8:77-80
It's tough hooking a sailfish

II

Swarup, H. (1957) 59-5650
Proc.nat.Acad.Sci.India, 27B:274-8
Production of haploidy in
experimentally treated eggs of
Gasterosteus aculeatus (L.)

II

Bose, N.K. (1958) 59-5648
Indian J.Pwr Riv.Vall.Developm., 8(4)
1-2, 6
Future of multipurpose river valley
projects

F

Timm, R.W. (1958) 59-5651
J.Bombay nat.Hist.Soc., 55:107-9
Two new species of Echinoderella
(phylum Kinorhyncha) from the Bay of
Bengal

M

Sinha, G. (1958) 59-5649
Irrig.& Pwr, 15:85-99
Mathematical computation of tidal
propagation in estuarine rivers

MF

Dinamani, P. (1957) 59-5652
Bull.Res.Inst.Univ.Kerala, 5C(2):
123-48
Stomach and associated structures in
the blackwater clam, Villorita
cyprioides (Gray) var. cochinensis
(Hanley)

F

Pillai, N. Krishna (1957) 59-5653
Bull. Res. Inst. Univ. Kerala, 50(1):1-68
Pelagic crustacea of Travancore - 2 & 3
Schizopoda

M

Chacko, P.I. & 59-5656
S. George (1958)
Madras Fish. Marketing Rep., (3):11 p.
Appraisal of the sea fisheries
resources of the Kanyakumari district

M

Pillai, N. Krishna (1957) 59-5654
Bull. Res. Inst. Univ. Kerala, 50(2):149-57
New species of Limnoria from Kerala

M

Menon, M.D. & 59-5657
P.I. Chacko (1958)
J. Bombay nat. Hist. Soc., 55:117-24
Food and feeding habits of some
freshwater fishes of Madras State

F

Silas, E.G. (1958) 59-5655
J. Bombay nat. Hist. Soc., 55:54-99
Studies on cyprinid fishes of the
oriental genus Chela Hamilton

F

Prasad, R.R. (1958) 59-5658
Proc. Indian Acad. Sci., 47B:331-7
Note on the occurrence and feeding
habits of Noctiluca and their
effects on the plankton community
and fisheries

M

Sarojini, K.K. (1958) 59-5659
J.Bombay nat.Hist.Soc., 55:42-53
Collection, acclimatisation, and
transport of mullet seed in West
Bengal (India)

MF

Rao, V.N. (1957) 59-5662
Bull.Res.Inst.Univ.Kerala, 5C(2):15-8
Study of surface currents in the sea
by drift cards

II

Balakrishnan, A. (1957) 59-5660
Bull.Res.Inst.Univ.Kerala, 5C(2):7-9
Variation of salinity and temperature
in Ernakulam Channel

M

Rao, V.N. & 59-5663
N.K. Balachandran (1957)
Bull.Res.Inst.Univ.Kerala, 5C(2):19-21
Study of sea surface roughness by
photographic method

II

Kartha, T.D.K. (1957) 59-5661
Bull.Res.Inst.Univ.Kerala, 5C(2):11-3
Microseismic recorder at Naval
Physical Laboratory, Cochin

M

Sastry, A.A. Rama (1957) 59-5664
Bull.Res.Inst.Univ.Kerala, 5C(2):1-5
Vertical stability of the upper
layers in the Bay of Bengal

M

Swamy, H.N. (1957) 59-5665
Bull.Res.Inst.Univ.Kerala, 50(2):23-5
 Ocean current measurement by towed
 electrodes

M

Cope, O.B. (1958) 59-5668
Fish.Bull., U.S., (140):417-42
 Annotated bibliography on the
 cutthroat trout

135 abstr. in order of author names,
 on biology, management, culture &
 distribution of Salmo clarki.
 Gives scientific & vernacular
 names, indexes by subject.

FAO:sjh

F

Deboutteville, C.Delamare, 59-5666
 A.-G. Humes & J. Paris (1957)
C.R.Acad.Sci., Paris, 244:504-6
 Sur le comportement d'Octopicola
superba Humes, n.g.n.sp. parasite de la
 pieuvre Octopus vulgaris Lamarck
 (On the behaviour of Octopicola superba
 Humes, n.g., n.sp., parasite of the
 devil-fish, Octopus vulgaris Lamarck)

Description of the parasite with notes
 on reproductive behaviour & activity
 in aquaria.

FAO:glk

M

Bjornn, T.C. (1957) 59-5669
Idaho Fish & Game Dep., 176 p.
 A survey of the fishery resources of
 Priest and upper Priest lakes and
 their tributaries, Idaho

A survey to determine the factors
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 troglobie Caecosphaeroma burgundum
 Dollfus (Demonstration of uric acid
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 Dollfus)

Applications of the Schindler uric
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Several environmental factors were
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 Yellowstone lake tributaries used
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 Attempt was made to relate
 distribution of redds in each stream
 with factors known to sometimes
 influence choice of spawning sites.

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Utah State Agr. College, 76 p.
Bear lake, its fish and fishing

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Wodurch wird die Tätigkeit des
Teichbodens beeinflusst? - I.
Steigerung der Bakterienarbeit durch
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Increase of bacterial activity due
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Brief review of the subject.

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achromycin & teramycin. States that uncom
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Legal discussion.

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Bouillon, J. (1957)	4589	Butz, G. (1958)	5126
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Bradley, D.E. (1958)	5451	Canada. Dominion Bureau of Statistics (1958)	4501
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Brook, A.J. (1958)	5449	Chacko, P.I. (1958)	5657
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Brown, E.S. & G.G.E. Scudder (1958)	5495	Chang, J.J. & F.H. Johnson (1959)	4784
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Colas, J. (1957)	4580	Das, S.K. & D.B. Saxena (1958)	4514
Cole, G.A. (1957)	4511	Davey, J.T., M. Descamps & R. Demange (1959)	4618
Colless, D.H. (1958)	5458	Davis, C.C. (1959)	4785
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The Conservation Foundation (1959)	4825	Dawson, G.E. (1957)	5260
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Cope, O.B. (1958)	5668	Deboutteville, C. Delamare, A.-C. Humes & J. Paris (1957)	5666
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Cordes, W.C. (1959)	4914	Demange, R. (1959)	4618
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Graf, F. (1959)	5133	Hartman, W.D. (1958)	4863
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Griffiths, I. (1959)	5166	Hennings, Chr. (1958)	4851
Grönblad, R. (1957)	5571	Herrera, J. (1958)	5331
Grubišić, F. (1959)	4524	Hewitt, E.J. (1959)	5171
Guest, W.C. (1959)	5362	Hickin, H.E. (1958)	5478
Guillard, R.R. (1958)	5286	Hicks, B.L. (1959)	4958
Gulf & Caribbean Fisheries		Hiestand, W.A. (1958)	5005
Institute (1958)	5537	Higashi, H. & al. (1959)	4899 4900
Gulland, J.A. (1958)	4939	Hildemann, W.H. (1959)	4643

Hill, M.W. (1959)	5119	Ingold, C.T. (1959)	4974
Hill, R.T. (1958)	5273	Inoue, K. (1958)	4884
Hinton, H.E. (1958)	5517	International Group of Consulting Engineers (1958?)	5565
Hirao, S. & al. (1958)	4881 4882	IHD (1959)	5541
	4883	International Oceanographic Foundation (1959)	5527
Hirao, S. & R. Kikuchi (1959)	4901	Ishii, S. (1957)	5092
Hiser, H.W. (1957)	5573	Ito, Y. (1958)	5130
Hoch, K. (1958)	5579	Iwata, F. (1958)	5006
Hochman, L. & J. Krcal (1957)	5070		
Hodgson, S.B. (1958)	5497	Jackson, D.J. (1958)	5480 5511
Holliday, F.G.T. (1958)	5416 5417		5510
Holliday, F.G.T. (1959)	5188	Jackson, H.O. & W.C. Starrett (1959)	4773
Holmes, R. & al. (1958)	4664	Jackson, S.W., Jr. (1958)	5157
Holmes, R.W. (1958)	4688	Jannasch, H.W. (1958)	5445
Holm-Hansen, O. & al. (1959)	4536	Japan. Ministry of Education (1959)	4980
Holstvoogd, C. (1957)	5071	Jara, Z. (1957)	5093
Honna, Y. (1957)	5072	Jara, Z. (1959)	4989
Hope, E.R. (1959)	4773	Jenkins, M.M. (1959)	4791
Hope, J.A., Jr. (1958)	5273	Jenkins, R.M. (1957)	5158
Hopkins, S.H. (1957)	5263	Jenkins, R.M. (1958)	5159
Horton, P.A. (1958)	5256	Jennings, F.D. (1959)	5110
Hotta, H., T. Abe & Y. Takashima (1958)	5396	Jens, G. (1958)	5586
Houot, C. (1958)	5141	Jitaru, P. & al. (1957)	5094
Hughes, G.M. (1958)	5509	Johansson, J. (1957)	4965
Hughes, G.M. & G. Skelton (1958)	5530	John, C.M. (1957)	4966
Hulings, H.C. (1958)	5276	Johnson, F.H. (1958)	5091
Hulot, A.L. (1957)	5062	Johnson, F.H. (1959)	4784
Humes, A.-G. (1957)	5666	Johnson, H.C. (1959)	4700
Hunt, J.N. (1959)	4779	Jones, F.R.H. (1958)	5421
Hunter, W.R. (1958)	5498	Jones, J.W. (1959)	4991
Huokuna, K. (1959)	4921	Jones, N.S. & W.D. Burbank (1959)	4792
Hurley, D.E. (1957)	5406	Jones, W.F. (1957)	4963
Hurley, D.E. (1959)	4945	Jonklaas, R. (1958)	5647
Husson, R. & H. Schorr (1957)	5667	Jónsson, J. (1958)	5632
Hutton, R.F. (1959)	5360	Jónsson, J. (1959)	5122
Hylton-Scott, H.I. (1957)	5013	Jónsson, S. (1957)	4586
Hynes, H.B.N. (1958)	5479 5490	Jordaan, J.M., Jr. (1959)	4949
Hynes, H.B.N. & W.L. Nicholas (1958)	5510	Judd, W.W. (1958)	5017
		Julien, A. & J. Ripplinger (1957)	5096
Ichiye, T. (1958)	4600 4604	Julien, A., J. Ripplinger & R. Moreau (1957)	5095
Ichiye, T. (1959)	4954 4957		
Igarashi, H. (1959)	4892 4893	Kabata, Z. (1957)	4968
Iitaka, Y. (1958)	4869	Kabata, Z. (1958)	4961
India, Ministry of Food & Agriculture (1958)	5593	Kaj, J. (1958)	5032
India, Ministry of Food & Agriculture (1958?)	5602	Kajosaari, H. (1959)	4922
Inger, R.F. & C.P. Kong (1959)	4992	Kanaev, V.F. (1959)	4852
		Kandler, O. & G. Sironval (1959)	4641

Kaneko, M. (1958)	4879
Karaman, St.L. (1957)	5033
Kartha, T.D.K. (1957)	5661
Masumović, M. (1958)	5027
Katada, M. (1959)	4893
Katada, M., K. Zama	
H. Igarashi (1959)	4892
Kawamoto, N.Y. (1958)	4510
Kawamoto, T. (1958)	4598
Keenleyside, M.H.A. (1958)	5419
Keenleyside, M.H.A. (1959)	4550
Keiz, G. (1958)	5342 5673
Keiz, G. (1959)	5328
Kent River Board (1959)	4983
Kesteven, G.L. (1958)	5420 5422
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Ketchum, B.H. (1957)	4693
Ketchum, B.H. & al. (1958)	5326
Khvan, A.P. (1959)	4901
Kikuchi, R. (1959)	4877
Kikuchi, T. & al. (1958)	5481 to
Kimmins, D.E. (1958)	5435
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King, G.C. (1959)	5124
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Kitajima, T. (1959)	5026
Klak, S. (1958)	
Klawe, W.L. &	
B.M. Shimada (1959)	5364
Kleinholz, L.H. (1959)	4793
Kobayashi, S. &	
M. Mogami (1958)	5135
Kobayashi, H. (1959)	4886
Kojima, Y. (1957)	4964
Kolb, E. (1958)	5342
Kong, G.P. (1959)	4992
Konishi, J. (1958)	5097
Kornberg, H.L. (1957)	4999
Korovin, Iu.M. (1959)	4855
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Kovaleva, I.D. (1959)	4858
Kovalskii, V.V. &	
S.V. Letunova (1959)	5321
Kozarov, G. (1958)	5375
Krause, H.R. (1959)	5365
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H.L. Kornberg (1957)	4999
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Krey, J. & al. (1958)	4665
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R.F. Foster (1957)	4532
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& H. Boroughs (1957)	4531
Kubicek, F. (1958)	4978
Kubicek, F. (1959)	4994

Kuehl, D.W. (1959)	4917
Kühl, H. (1957)	5371
Kühl, H. (1958)	5577
Kuehn, J.H. &	
D. Lovelien (1959)	4547
Kumar, R. (1959)	4937
Kunkle, D.E. (1958)	5869
Kux, Z. (1957)	5035
Kux, Z. &	
T. Weisz (1958)	5036
Lamb, C.A., O.G. Bentley	
& J.M. Beattie (1958)	5174
Lambert, J.G. (1958)	5027
Lamotte, M., J.-L. Perret	
& S. Dzieduszycka (1959)	4624
Lanc, C.E. (1959)	4831
Lanjouw, J. &	
F.A. Stafleu (1959)	4976
Larrañeta, M.G. (1958)	5340
Larrañeta, M.G., J. Lopez	
& P. Suau (1958)	5335
Larrañeta, M.G., P. Suau	
& J. Lopez (1958)	5332
Lassarat, A. (1959)	4629
Lathbury, A. &	
R.A. Bryson (1958)	4632
Laurence, B.R. (1959)	4928
Laurence, B.R. &	
S.A. Smith (1958)	5460
Laurent, P. (1957)	5098
Lauzier, L. (1957)	4801
Lauzier, L. (1958)	4652
Laws, R.M. (1958)	5308
Laws, R.M. &	
R.J.F. Taylor (1957)	5305
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S.A. Ushakov (1959)	5325
Leedale, G.F. (1959)	4794
Leeson, H.S. (1958)	5499
Legendre, R. (1958)	4697
Le Gros, A.E. (1958)	5535
Lenel, R. (1957)	4575
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Lewis, A.G. (1959)	5361
Libosvsky, J. (1957)	5073
Liebmann, H. (1959)	4979
Lillelund, K. (1958)	5562
Lindroth, A. (1959)	4923
Llewellyn, J. (1959)	5165
Long, C.W. &	
R.A. Arzyłowics (1957)	4843
Long, E.J. (1959)	4834
Longhurst, A.R. (1958)	5574

Longuet-Higgins, M.S. (1958)	5314	Matulić, M. (1958)	5021
Loosanoff, V.L. & G.A. Nomejko (1958)	5279	Maubeuge, P.L. (1959)	5134
Lopez, J. (1958)	5332 5335	Maul, G.E. (1957)	5030
Lopez-Benito, M. (1958)	5341	Mauritius. Department of Agriculture (1959)	5500
Lovelien, D. (1959)	4547	Mayer, A.M. & A. Poljakoff-Hayber (1959)	4912
Low, H.W. (1959)	4786 5299	Mayrat, A. (1959)	4617
Lowndes, G.A.S. (1958)	4862	Mazumdar, S.R. (1957)	5075
Lucas, G.E. (1958)	4696	McConnell, W.J., W.J. Clark & W.F. Sigler (1957)	5671
Lühmann, M. (1957)	5372	McFarren, E.F. & al. (1957)	5260
Lufty, R.G. (1958)	5486	McCary, J.W. & E.D. Stroup (1958)	5563
Lumbye, J. (1958)	5506	McGuinness, W.T. (1959)	4955
Lund, J.L.G. (1959)	4541	McGuinness, W.T. & W.L. Donn (1959)	4956
Lundbeck, J. (1958)	4648	McLellan, H.J. & L. Lauzier (1957)	4801
Lundbeck, J. (1959)	4593	Mechsner, Kl. (1959)	4640
Lundy, H. (1959)	4595	Medcof, J.C. (1958)	4659 5395
Lunz, G.R. (1958)	5274	Medcof, J.C. & J.E. Mortimer (1958)	4660
M.B. (1959)	5552	Meek, G.A. (1958)	5465
Macan, T.T. (1958)	5487 5488	Meixner, R. (1958)	5590
Machado-Cruz, J.A. (1959)	4996	Melbourne, K.V. (1957)	5011
Mackin, J.G. (1958)	5281	Menon, M.D. & P.I. Chacko (1958)	5657
MacKinnon, W.J. (1959)	4907	Menzel, R.W., N.C. Hulings & R.R. Hathaway (1958)	5276
Macleod, J. (1958)	5461	Meseck, G. (1957)	4844
Macneill, N. (1958)	5489	Middleton, H.K. (1958)	4645
Maeda, T. (1958)	5136	Migita, M., J. Matsumoto & H. Aoe (1959)	4896
Magne, F. (1957)	4577	Migita, M. & S. Otake (1958)	4880
Mako, H. (1959)	5381	Miller, S. (1959)	4833
Mandrekar, S.S. (1958)	5638	Milo di Villagrazia, P. (1959)	5554
Mann, H. (1958)	5577 5584	Minamori, S. (1957)	5099 5100
Mann, H., A. von Brandt & Chr. Hennings (1958)	4651	Ming, S. (1958)	5330
Mann, K.H. (1958)	5512	Mironov, O.G. (1958)	4971
Manning, J.H. & H.T. Pfitzermeyer (1958)	5283	Mirsky, E.E. (1959)	5002
Mansueti, R. (1958)	4609	Misik, V. (1958)	5160
Mansueti, R.J. (1958)	5125	Misui, H. (1959)	5380
Marathe, V.B. & D.V. Bal (1957)	5074	Mitani, F. (1958)	4519 4871
Margalef, R. (1957)	4838	Mitani, F. (1959)	4807
Marini-Bettolo, G.B. (1959)	5000	Miyazaki, M. (1958)	4601
Marriott, F.H.C. (1958)	5513	Mogami, M. (1958)	5135
Marshall, N.B. (1959)	5178	Mohamed, K.H. (1958)	5644
Martineau, D.P. (1959)	4946	Molinier, R. & J. Picard (1957)	4559
Mason, J. (1958)	4962	Monod, Th. (1959)	4621 4622
Masuti, M. (1958)	5339	Moreau, R. (1957)	5095
Masuda, S. & F. Shinohara (1959)	5350	Morello, M. (1958)	5111
Masuzawa, J. (1958)	4597	Morgans, J.F.G. (1958)	5399
Matsumoto, J. (1959)	4896		
Matsuura, F. (1959)	4889 4890		
Matsuura, F., K. Hashimoto & N. Haruta (1959)	4891		
Matsuyoshi, M. (1959)	4895		
Mattisen, A.E., A.A. Kirillov & V.N. Pospelov (1958)	5124		

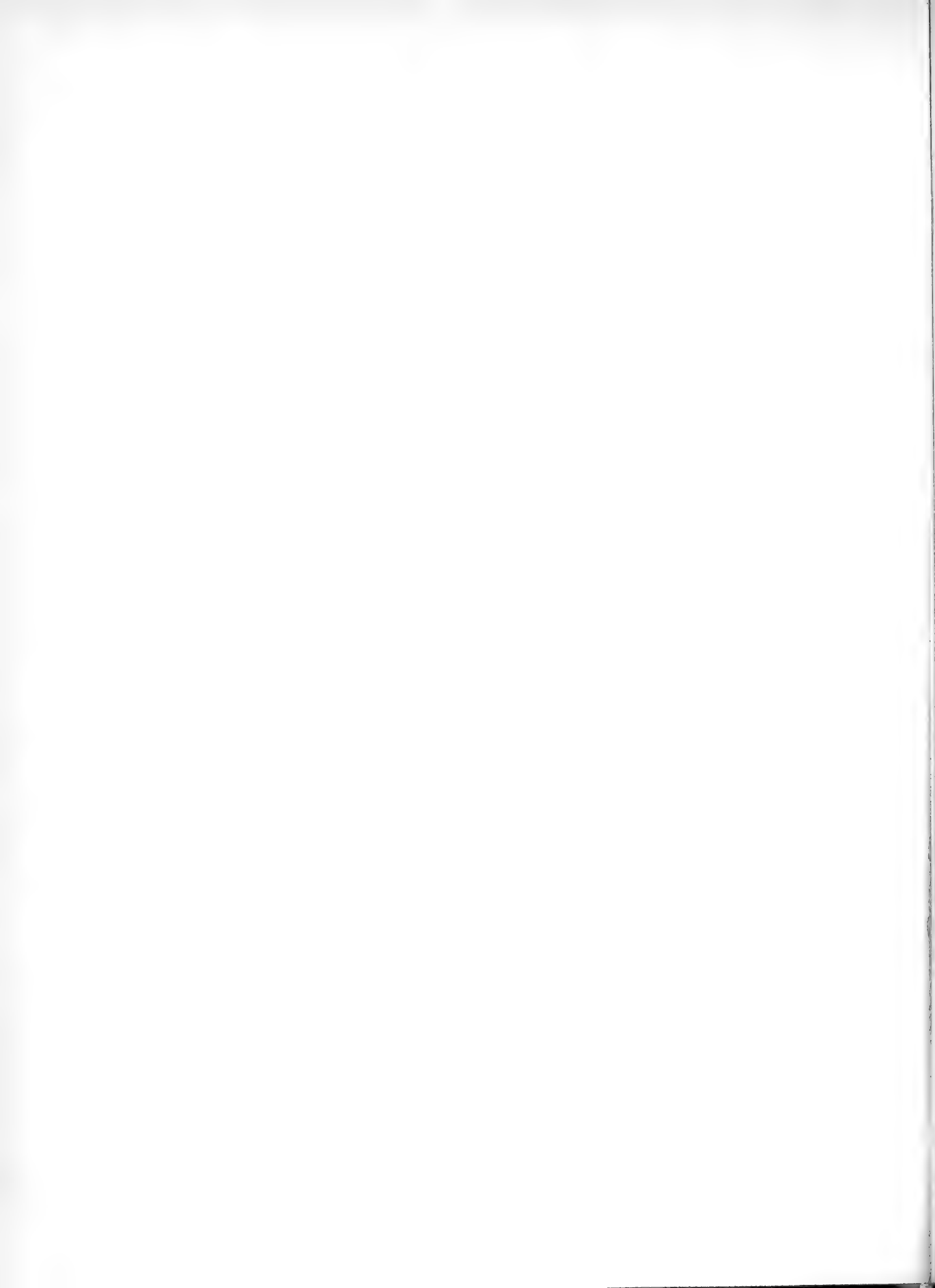
Morgans, J.F.C. (1959)	5408	Ohshima, Y. (1958)	4868
Moricheva, I.P. (1959)	5324	Ohtsuka, E. (1957)	5077
Moriyasu, S. (1958)	4602	Okaichi, T. (1958)	4874 4875
Morović, D. & Š. Zupanović (1958)	5018	Okubo, A. (1958)	4605
Morris, R. (1958)	5531	Oliva, O. (1957)	5108
Mortimer, G.H. (1959)	5101	Oliva, O. (1958)	4515 4516
Mortimer, J.E. (1958)	4660	Olson, E.L. (1959)	4959
Muhury, G.N. (1958)	5388	Olsson, R. (1958)	5616
Mullan, J.V. (1958)	4993	Omata, H. (1958)	4879
Murphy, G.I. (1959)	4544	Ommaney, P.D. (1958)	5429
Myers, J. (1958)	5456	Ordal, E.J. (1958)	4928
Myers, P.R. (1958)	4828	O'Rourke, P.J. (1959)	5180
		Orpana, V. (1959)	4783
		Otake, S. (1958)	4880
Hair, K.K. & S.R. Sano (1958)	5632	Ovington, J.D. (1958)	5433
Nakagome, J. (1958)	4870	Ozmidov, R.V. (1959)	5318
Nakamura, E.L. (1958)	5347		
National Shellfisheries Association (1957)	5257	Padmanabhan, M.C. (1957)	5078
National Shellfisheries Association (1958)	5270	Palin, A.T. (1958)	5434
Naylor, M. (1958)	5453	Palmer, G. & W.V.A. Phillips (1958)	5641
Necrasov, O. & al. (1958)	5076	Paraense, W.L. (1959)	5543
Neprochnov, Iu.P. (1959)	4853	Paris, J. (1957)	4570 5666
Neumann, D. (1959)	5390	Parrish, B.B. (1958)	5416
Neumann, G. (1959)	4947	Parrish, B.B., J.H.S. Blaxter & F.G.T. Holliday (1958)	5417
Newman, H.W. (1959)	5039	Parrott, A.W. (1958)	5041
Nicholas, W.L. (1958)	5510	Parry, G., F.G.T. Holliday & J.H.S. Blaxter (1959)	5188
Nicholas, W.L. & H.B.H. Hynes (1958)	5490	Parsons, T. (1958)	4995
Nichols, J.T. (1958)	5040	Patil, A.H. (1958)	5501
Nicholson, H.F. (1958)	4672	Pavans de Ceccatty, M. (1957)	4565
Nickel, E. (1957)	5107		4569
Nielsen, E. Steemann (1958)	4674 4685	Peare, G.C. (1958)	5557
	4694	Pentelov, F.E.E. (1959)	4985
Nielsen, E. Steemann & D.H. Cushing (1958)	4663	Pérès, J.-M. (1958)	5144
Nilsson, N.A. (1959)	4925	Perlin, A.B. (1958)	5611
Nilsson, N.B. (1959)	4924	PCIFC 1946 (1958)	5619 5627 5629
Nishimoto, J. (1958)	4872 4873		5630 5631 5633 5634
Nomejko, G.A. (1958)	5279	PCIFC 1946. Chairman of the Committee (1958)	5620
Nomura, K. (1958)	5427	PCIFC 1946. Korringa's Working Party (1958)	5635
Northrop, J., M. Blaik & R. Frassetto (1959)	5116	PCIFC 1946. Liaison Committee (1958)	5623
Norvell, J. (1958)	5002	PCIFC 1946. Sub-Committee of Scientists (1958)	5621
Norway. Fiskeridirektøren (1957)	4816	Pérez, J.-L. (1959)	4628
Numann, W. (1957)	5573	Pettor, A.E.J. (1959)	4986
Numann, W. (1959)	5594	Pettor, A.E.J. (1958)	5435
Ockelmann, K.L. (1958)	5506	Pfitzenmeyer, H.E. (1958)	5283
Ostlund, G. (1959)	4911	Pfitzer, D.W. (1958)	4524
Oguri, M. (1958)	4675	Phillips, W.V.A. (1958)	5641
Oguro, C. (1957)	5007	Picard, J. (1957)	4559
Ohle, W. (1958)	4692	Pierson, W.J., Jr. (1959)	4953
Ohmi, H. (1958)	4940	Pikharev, G.A. (1957)	4509

Pillai, N. Krishna (1957)	5653	5654	Robinson, E.S. (1959)	5298
Pinto, S.Y. (1957)		5042	Rodhe, E. (1958)	4691
Platts, W.S. (1957)		5672	Rodriguez-Roda, J. (1958)	5337
Pleva, V. (1958)		5079	Rogge, B. (1958)	5331
Poirier, M. (1957)		4802	Rollefsen, G. (1957)	4841
Poljakoff-Mayber, A. (1959)		4912	Ronald, K. (1957)	4806
Popham, E.J. (1958)		5516	Roque, M. (1957)	4567
Popovska-Stanković, O. (1958)		5376	Roques, M. (1957)	4568
Porter, H.J. (1957)		5262	Rosenthal, H.L., P.R. Myers & M.K. Brunings (1958)	4828
Posgay, J.A. (1957)		4805	Roy, J.-M. (1958)	5608
Pospelov, V.N. (1958)		5124	Rullier, F. (1957)	4576
Postel, E. (1958)		4938	Rullier, F. (1959)	4615
Potts, W.T.W. (1958)		5514	Rusanova, M.N. (1959)	5323
Powell, E.O. (1958)		5446	Rushforth, J.H. (1959)	5167
Power, E.A. (1958?)		5612	Russell, F.S. (1958)	5618
Prasad, R.R. (1958)	5131	5658	Rutkiewicz, S. (1958)	5374
Prasad, R.R. (1959)		5132	Rutter, A.J. (1958)	5437
Pratt, D.B. & G. Maddell (1959)		5184	Ryan, J.H. (1959)	5603
Preston, R.D. (1958)		5455	Ryhänen, R. (1959)	4782
Price, D.H.A. (1958)		5436	Ryther, J.H. & al. (1958)	4666
Priou, M.-L. (1957)		4560		
Pritchard, D.W. (1959)		4950	Saha, K.C., D.P. Sen & G.N. Muhury (1958)	5388
Pritchard, D.W. & R.E. Bunce (1959)		4908	Saint-Guily, B. (1957)	4561
Prosser, C.L. & P.B. Van Weel (1958)		5004	Saito, K. & M. Sameshima (1958)	4876
Prowse, G.A. (1959)		5183	Saito, T., K. Arai & M. Matsuyoshi (1959)	4895
Pyefinch, K.A. (1958)		5534	Saito, T., K. Arai & T. Tanaka (1958)	5137
Pynnönen, A. (1957)		5043	Saksena, J.H. (1958)	5382
			Salsman, G.G. (1959)	4948
Queensland. Department of Harbours & Marine (1958)		5599	Samejima, H. & J. Myers (1958)	5456
			Sameshima, M. (1958)	4876
Rajam, S. (1958)		5384	Sanchez, S. (1957)	4569
Randall, J.E. (1959)		4835	Sandeen, M.I. (1959)	5299
Rangneker, P.V., B.B. Gaitonde & S.S. Mandrekar (1958)		5638	Sandvaer, G. (1958)	5304
Rao, V.N. (1957)		5662	Sane, S.R. (1958)	5639
Rao, V.N. & N.K. Balachandran (1957)		5663	Sarojini, K.K. (1958)	5659
Rass, T.S. (1957)		4508	Sasayama, S. & S. Hamada (1959)	5353
Reichenbach-Klinke, H.H. (1958)		5044	Sasayama, S., S. Hamada & K. Yamada (1959)	5352
		5045	Sastry, A.A. Rama (1957)	5664
Reinboth, R. (1957)		4582	Savage, A. (1958)	5624
Rezn, C.E. (1957)		4525	Saxena, D.B. (1957)	4611
Ridgway, G.J. (1957)		4803	Saxena, D.B. (1958)	4514 5385
Ripplinger, J. (1957)	5095	5096		5386 5387
Rivas, L.R. (1958)		5046	Scattergood, L.W. (1957)	4307 4808
Rivero, J.A. (1959)		5192	Scheer, B.T. (1959)	4795
Rivière, A. & S. Vernhet (1957)		4563	Schlemenz, F. (1958)	5585
Robertson, M. (1958)		5491	Schiller, G.H. (1957)	4918
Robinson, A. & H. Stommel (1959)		5120	Schnelle, W. (1958)	5346

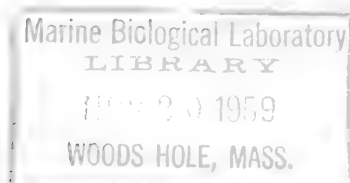
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Schorr, H. (1957)	5667	Southgate, B.A. (1959)	5164
Schroeder, W.C. (1959)	5114	Spaas, J.T. (1959)	4935
Schwartz, F.J. & J. Norvell (1958)	5003	Sparks, A.K., J.L. Boswell & J.G. Mackin (1958)	5281
Schwartzlose, R.A. (1959)	5110	Spencer, E.A. & J.S. Tudhope (1958)	5439
Schwoerbel, J. (1959)	5360	Staddon, B.W. (1958)	5438
Scott, A.M. & R. Grönblad (1957)	5571	Stafleu, P.A. (1959)	4976
Scott, D. & J.M. Rushforth (1959)	5167	Starrett, W.C. (1959)	4773
Scott, H. (1958)	5502	Steele, J.H. (1958)	4683
Scudder, G.G.E. (1958)	5495 5503	Steele, J.H. (1959)	4501
Seabloom, R.W. (1958)	4553	Steffens, T. (1957)	5105
Sechkina, T.V. (1959)	5320	Stephanides, T. (1958)	5462
Segerstrale, S.G. (1957)	5047	Stephens, G.C. (1957)	5567
Sen, D.P. (1958)	5300	Sterling, T.D. (1959)	4905
Senn, H.V. & H.W. Hiser (1957)	5573	Stewart, D.D. (1958)	5564
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Shuster, C.N., Jr. (1957)	5261	Suau, P. (1958)	5332 5335
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Sironval, C. (1959)	4841	Sundararaj, B.I. (1959)	4786
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Slijper, E.J. (1958)	5300	Suzuki, T. (1959)	5351
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Sogandares-Bernal, F. & R.F. Hutton (1959)	5360	Sysoev, N.N. (1959)	4854
Sollero, L. (1959)	5001	Szabo, T. (1957)	4587
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Taylor, F.W. (1959)		4941	Valentine, J.R. (1957)	5103
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FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Viale delle Terme di Caracalla, Rome, Italy



CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

prepared by
Biology Branch, Fisheries Division

Curr. Bibliogr. aquat. Sci. Fish., 2(7) Rome, July 1959

Containing: taxonomic index 2(6), geographic index 2(6), references and
author index to, 59-5677 - 59-6612

[2.1(2)]



Errata

Please delete numbers:

59-3379, 59-3658 and 59-4186

580016	houie	should read	houle
59-2213-14	Muromcev	" "	Muromtsev
59-2257	sdeiments	" "	sédiments

Please correct Errata

59-2471 Latimeria chalumnae should read Latimeria chalumnae

59-4961 Add in title: "rare" (VanbeneGemia kroyeri Malm, 1860: a rare
parasitic copepod)

Forward References

Check list, 59-5677 to 59-6612

59-5881	to	59-5878	59-5778	to	59-3229
59-5879	"	59-5878	59-5858	"	59-5856
59-6262	"	59-2477	59-5713	"	584261
59-5893	"	59-2307	59-5883	"	59-5878
59-6489	"	59-6488			
59-5880	"	59-5878			
59-5882	"	59-5878			
59-6486	"	59-6485			
59-6132	"	59-2632			
59-6484	"	59-6483			
59-5847	"	59-2477			
59-6225	"	59-6224			
59-6133	"	59-5479			
59-6139	"	581530			
59-6286	"	59-6285			
59-5823	"	59-5822			
59-6515	"	583430			
59-6141	"	583211			
59-6498	"	59-6497			
59-6500	"	59-6499			
59-6243	"	581478			
59-5821	"	59-3025			
59-5820	"	59-5795			
59-6516	"	570207			
59-6263	"	59-6262			
59-6140	"	585666			
59-5819	"	582527			
59-6223	"	583713			



Explanatory Notes

Accuracy and completeness of entries

Our attention has been drawn to errors of various kinds in the entries of this bibliography, with particular reference to issue 2(4), in which it will be seen a rather high proportion of rectangles have no initials in their bottom left-hand corners. As we explained early in the Notes to the first volume, this means that we have not seen the original paper, and the reference is taken from the accession list of another library, a booklist, or some other source.

Some such references are incomplete, inaccurate or bibliographically incorrect. Our policy is however to include whatever information is available to us (remember that this bibliography, like most library accession lists, is produced in the first place for our own use) while at the same time take what steps we can to increase the amount of literature we see at first hand, to verify - within the limits of time available for this purpose - secondhand information, and to encourage bibliographic improvements in other sources.

A particular problem arises in the case of collected reprints. Their general treatment is outlined in a following note. When however these are issued as a loose collection, the sets we receive may lack one or more reprints. In such cases it has happened that we pick up missing references (perhaps incomplete) some months later from the accession list of another library; we then make an entry even if it is only to the secondary reference. If, later, we find the primary reference we put in an addendum. Translations of which the original reference is not, or incompletely, known are treated in the same way.

Librarians who issue accession lists which we search, can help us make this bibliography comprehensive and accurate by including in those lists the original references to collected reprints and indexes they receive. Publishers and editors of periodicals can help by sending us copies of page proofs (as do Botanica Marina, announced in this issue) or reprints; by giving, when they publish English summaries of papers in other languages, the title of the paper also in English; by following ISO bibliographic recommendation for format, and in many other ways.

Treatment of publications not seen by FAO

1. References will be given to all relevant papers coming to our notice, whatever the source of information. They will be indexed as completely as the available information permits.
2. Some references are taken from periodicals which publish informative abstracts. In these cases our annotation will, where necessary, be drafted from the published abstract; the citation of the abstract will precede our annotation. For these citations code letters are given for the title of the publication, as follows, and the abstract number within it:

Bibliography of South West Africa	BSWA
Biological Abstracts	BA
Chemical Abstracts	CA
Commercial Fisheries Abstracts	CFA
GeoScience Abstracts	GA
Helminthological Abstracts	HA
Journal of Animal Ecology (Abstracts)	JAE
Psychological Abstracts	PA
Sport Fisheries Abstracts (all references are entered)	SFA
Tropical Abstracts (by special arrangement we receive proof copy of relevant abstracts)	TA
Water Pollution Abstracts	WPA
Wildlife Review	WR
World Fisheries Abstracts	WFA
Zoological Record (not abstracts, but analytical index)	ZR

3. Some references are taken from other bibliographies, library accessions, publishers', and booksellers' lists etc. In these cases the reference is given where possible in our standard form. If this is not possible - because for example a periodical title is given in an incomplete form which we cannot identify - the citation is followed by a question mark given in inverted commas. Such references can be identified by the absence of initials in the bottom left-hand corner of the rectangle /the printed version will have the words "Orig.not seen" as annotation/.

Treatment of collected reprints, double citations, and books
containing chapters by different authors

1. Publications contained in volumes of collected reprints are, if they have not previously been indexed, normally cited accordingly to the original reference. When this is not possible, because the original reference is not given fully on the reprinted papers, the citation is made according to the form: Coll.Repr. /name of organization/, volume, number or year (no. of Repr.).

When both citations are printed on a document, reference to which has not previously been entered, the secondary citation is quoted in parentheses, at the end of the annotation. References are made to whole volumes of collected reprints, the "author" being the name of the distributing organization; the annotation is in the form "Comprises reprints of" (abbreviated as "Comp.rp.") or "Includes reprints of" ("Incl.rp.") followed by our serial number of the individual papers, including both those previously entered and those to be entered. The forward reference numbers to be written on the original entry should be preceded by the letters "rp". These cross-reference numbers will be followed by a question mark when it is for some reason not certain that the texts of the two papers having different citations but the same authors and titles are in fact identical. When, because we do not have the original paper, and another accession list cites only a secondary reference, we have to enter the latter, we shall include in Addenda any primary citations found subsequently (An example is given in this issue, addendum for 59-2629).

2. Books with chapters by various authors are annotated as a whole and indexed under the name of the editor. A particular chapter may be annotated separately; it is then indexed under the name of its author and the year of publication of the book. The rest of the citation of the chapter consists of the word "In", followed by the serial number of the reference to the whole book, followed in turn by a colon and the first and last page numbers of the chapter. If, for some reason, the whole book has not been seen and cannot be properly indexed, a complete reference to the book is given instead of the serial number. Thus sometimes such chapters are reprinted and distributed separately or within volumes of collected reprints, and in such cases often do not bear the complete reference to the book from which they are extracted. In certain cases chapters within such books are themselves reprints of previously published documents; this is indicated within the annotation to the chapter by the phrase:
"Repr. of (serial no. or original citation if published in 1956 of earlier and not included in Bibliographia Oceanographica for the year in question)."

Treatment of translations

1. Ad hoc translations of individual articles

- (a) The original is indexed and annotated in the usual way (even if the annotation has been made from a scrutiny of the translation). In the reference, the English translation of the title is, if possible, the same as the version given on the translation of the whole where the latter is also in English.
- (b) The translation is indexed separately, the "author" being the original author, followed by "(Transl.(name of translator))"; the reference is the original one; the annotation is: (language symbol) transl. (or "summ.transl.", or "part.transl.") of (serial number of original, or reference if published before 1957); available from".

2. Regular translations of whole periodicals (e.g. Doklady Akademi Nauk - C.R.Acad.Sci.U.R.S.S.)

Usually publisher is different from the original publisher.

- (a) Original treated as under 1(a)
- (b) Translation is indexed separately, but the "author" is the original author of the paper. The short form of title for the translated periodical is the same as that for the original, followed by:
((language symbol) transl.).
This rule applies also to 3 below.

3. Documents issued by a single publisher - usually an international organization or the government of a multilingual state - in two or more language versions

Such documents may be issued within one cover, or as separate fascicules. In the former case the paper is indexed once only, the title being given in all the languages in the order in which they appear on the publication, followed by the English translation of the title when English is not one of the languages of the text. In the latter case the fascicules may have different years of publication and even different citations. Therefore all versions are indexed separately. When all versions are issued simultaneously, the version annotated is the original version, if that is known, or the version in the language highest in the order of priority, given in earlier Explanatory Notes (1(2)). When different versions are issued at different times, the first one received is annotated, if this is convenient. The annotation for other versions is:
(language symbol) version of (serial number, or citation if first version was published earlier than 1957).

Treatment of whole issues of serial publications

Name of publisher (instead of "author") Date
Reference in normal form (short title, volume, number, pages where appropriate)
No title is given

Annotation.

Example in this issue is 59-5679.

Entry of theses

- 1. References are given to theses and dissertations accepted by Universities for higher degrees which deal with subjects within the general scope of the Current Bibliography.
- 2. The date of publication is the calendar year of ending of the academic year during which the thesis was accepted.

3. Theses are indexed as far as possible according to information conveyed by their titles. If summaries (abstracts or annotations) are available they are used to make annotations. When informative abstracts are published, the reference to their location is given in the annotation.

Inclusion and treatment of references to films, filmstrips, patents and meeting documents

As from this issue, references to material in the above categories will be covered by this Current Bibliography. We cannot attempt a comprehensive search for them but as we find relevant information it will be made available.

Mimeographed documents considered at meetings will be treated generally as publications. Those bearing notes to the effect that their contents are not to be cited without prior permission from the author or organization concerned will be indicated as such.

Documents drafted by the secretariat of an organization are indexed under the name of the organization, using the accepted initials of the organization when this is appropriate (see Explanatory Notes in 2(3)).

Films will be indexed under the name of the author, where that is known, preceded by the word "Film". When available, the following information will be given, in this order:

date of issue; M, F or G; address (town) and name of distributor; title; translation of title (where necessary); length and/or duration; width; colour or black and white; silent or sound; annotation.

References to films of general fisheries interest are brought together in the list revised and distributed each year by FAO Fisheries Division Technology Branch, which should also be consulted.

Filmstrips will be treated as films, except that author's name will be preceded by the word "Filmstrip" and the number of frames will be cited instead of the length or duration.

Patents will be indexed under the name of the owner, preceded by the word "Patent". The citation will consist of the date of issue, the name of country and the patent number; this is followed by the title of the patent and a short description of it.

Films, filmstrips and patents will be listed at the end of the monthly author indexes. Examples of references to them are given in this issue as 59-5859.

A new periodical - "Botanica Marina"
(short title: Bot.mar.)

We are informed by Studiengesellschaft zur Erforschung von Meeresalgen e.V. that they will shortly be issuing this new international journal, which will publish original papers on ecology, botany, chemistry, physiology, planktonic algae, seaweeds and seaweed products technology. Contributions will appear in German, English or French, with summaries in the other two languages. There will be editorial comment and reviews of technical books and other significant works dealing with the subjects mentioned.

Publication of this journal follows a recommendation of the Third International Seaweed Symposium. Eighteen scientists from 11 countries form the Editorial Committee, the Chairman of which is Professor Dr. Tore Levring. The Editorial Office is at Studiengesellschaft zur Erforschung von Meeresalgen e.V., Hamburg, and the subscription is DM28 per annum, excluding postage. A volume will consist of four issues, each of 32 pages, 17 x 24.5 cm single copies will cost DM7 each. It is intended to devote a special issue once each year to technological and industrial problems.

"Botanica Marina" will be indexed completely in the "Current Bibliography for Aquatic Sciences and Fisheries". The first issue has now been published and is annotated here in 59-6601 to 59-6605.

Addenda

Original citations of the following numbers could be added:

59-2629	<u>Proc.Linn.Soc.Lond.</u> , 167:165-71
59-2630	<u>Proc.Linn.Soc.Lond.</u> , 167:172-5
59-2631	<u>Proc.zool.Soc.Lond.</u> , 129:1-25
59-2632	<u>Sci.Publ.Freshw.biol.Ass.</u> , (5):55 p.
59-2672	<u>Proc.R.Irish Acad.</u> , 59B(6):71-91

Robins, C.R. (1959) 59-5677

Breviora, (104):7 p.

Studies on fishes of the family
Ophidiidae - III. A new species of
Lepophidium from Barbados

Diagnosis & description of Lepophidium
kallion sp. nov. (Issued as: Contr.Mar.
Lab.Univ.Miami, (221)).

FAO:hr

M

Harrison, M. (1958) 59-5680

Res.Rep.David Taylor Mod.Basin,
Hydromech.Lab., (1260)

Pressure fluctuation on the wall
adjacent to a turbulent boundary
layer

G

Cumberbatch, E. (1958) 59-5678

J.Fluid Mech., 4(5):466-78

Two-dimensional planing at high Froude
number.

G

Paquette, R.G. (1959) 59-5681

Tech.Rep.Dep.Oceanogr.Univ.Wash., (61)
Suppl.(1)

A modification of the Wenner-Smith-
Soule salinity bridge for the
determination of salinity in sea
water

M

U.S. Department of Commerce, 59-5679

Coast & Geodetic Survey (1958)

Seism.Bull., U.S., MSI-215, Nov. 1958

M

U.S. Department of the 59-5682

Interior, Fish & Wildlife
Service (1959)

Washington

Monthly charts of sea surface
temperature in the N.E. Pacific for
the period January, 1957-March, 1959

M

Fleming, R.H. & al. (1959) 59-5683
Spec. Rep. Dep. Oceanogr. Univ. Wash., (30)
 Physical and chemical data, North
 Pacific ocean BROWN BEAR cruise 199
 July-August, 1958 for the I.C.Y. of
 1957-58

Tuffrau, H. (1959) 59-5686
C.R. Acad. Sci., Paris, 248:3055-7
 Polymorphisme par anisotomie chez le
 cilié Euplotes balteatus (Dujardin)
 (Polymorphism by anisotomy in the
 ciliate Euplotes balteatus Dujardin)

Account of the appearance of giant
 individuals in the presence of the
 ciliate Philaster digitiformis Fabre-
 Domergue on which they feed, & of the
 morphological changes in the buccal
 apparatus to permit ingestion of this
 prey.

I

FAO:glk

MF

Patterson, A.M. (1957) 59-5684
Tech. Mem. Pacif. nav. Lab., (57-2)
 Development of hot wire instrument for
 ocean turbulence measurements

Cresp, J. (1959) 59-5687
C.R. Acad. Sci., Paris, 248:3358-60
 L'hétéromorphose polaire chez
 l'annélide Salmacina incrustans (Clap.)
 (Polar heteromorphosis in the annelid
Salmacina incrustans Clap.)

Regeneration & experiments with this
 serpulid worm; comparison of results
 with those for Myxicola.

II

FAO:sjh

M

Nourisson, M. (1959) 59-5685
C.R. Acad. Sci., Paris, 248:3052-4
 Evolution d'une mare temporaire de
 haute altitude à Chirocephalus stagnalis
 Shaw (Crustacé phyllopoète)
 (Evolution of a temporary, high-altitude
 pond with Chirocephalus stagnalis Shaw,
 phyllopod crustacean)

Account of the changes in physical &
 chemical features of a pond fed from
 snow & which dries completely in summer;
 & of the development of & changes in the
 population during the short life of the
 pond.

FAO:glk

F

Anonymous (1959) 59-5688
Time, 74(1):34-45
 Science - Ocean frontier

A popular article, profusely ill. -
 colour & black & white - describing
 research projects, results &
 problems in fields & physical
 oceanography & marine biology, with
 particular reference to activities
 of oceanographic institutions of
 Scripps & Woods Hole.

SJH:sjh

M

Fukuda, H. (1958) 59-5689
Bull.Jap.Soc.sci.Fish., 23:782-4
(On the blood sugar of fresh water fish).
Ni En

Differences in blood sugar of spp. of
Oncorhynchus, Salmo, Moroco, Leuciscus,
Cyprinus, Carassius, Anguilla,
Misgurnus & Parasilurus, related to
differences in activity & environment.

SJH:sjh

MF

Anonymous (1959) 59-5692
Discovery, 20:183-97
The progress of science in Israel

General account of university &
other research institutions in Israel
& of the place of research in the
development of that country's
economy, incl. the management of
swamps & research on freshwater fish,
draining of L. Hula.

FAO:glk

MF

Suyama, M. & 59-5690
C. Ogino (1958)
Bull.Jap.Soc.sci.Fish., 23:785-8
(Changes in chemical compositions
during development of rainbow trout
eggs). Ni En

Trends, in Salmo irideus of pH, water,
nitrogen, ether extractives, ash,
lipids, phosphorus.

SJH:sjh

F

Anonymous (1959) 59-5693
Discovery, 20:234
Alexander von Humboldt (1769-1859)

Brief biographical note on the
anniversary of the death of this
geographer & oceanographer.

FAO:glk

M

Suyama, M. (1958) 59-5691
Bull.Jap.Soc.sci.Fish., 23:789-92
(Changes in the amino acid composition
of protein during the development of
rainbow trout eggs). Ni En

Chromatographic analysis of Salmo
irideus eggs.

SJH:sjh

F

Sanford, F.B. (1958) 59-5694
Fish.Leafl., U.S., (447):33 p.
Planning your research paper

The 1st section deals with preliminary
steps in planning - such as out-
lining, choosing headings, & making
tables. The 2nd section deals with
the various parts of the research
paper: title, abstract, table of
contents, introduction,
acknowledgment, procedure, results
& discussion, conclusions, summary
& literature cited.

FAO:cfa

G

Rajagopal, M.V. & K. Sohoni (1957) 59-5695
Biochem.J., 65:34-6
 Studies on the sea anemone Gyrostoma
sp. lipids of Gyrostoma sp.

The concentrations of cerebrosides, free & total cholesterol, total phospholipid, lecithin & sphingomyelin have been determined in the whole anemone, Gyrostoma sp., as well as in its mesenteries, gonads & tentacles.

.cfa

Gordon, E.L. (1958) 59-5698
Maine Cst Fisherm., 12:10
 The sturgeon

Short review of the life histories of Acipenser sturio & A. brevirostris, & description of caviar & isinglass & their processing.

.tl

MF

Anonymous (1958) 59-5696
West.Fish., 55:11, 40
 Synthetic fibers make knotless nets possible

Description of the special features of knotless nets & the method of manufacturing knotless nets.

.tl

MF

Schantz, E.J. & al. (1958) 59-5699
J.Ass.off.agric.Chem.Wash., 41:160-8
 Purified shellfish poison for bioassay standardization

Description of a procedure for the bioassay of paralytic shellfish poison & comparison of methods for shellfish poison determination.

.tl

M

Anonymous (1958) 59-5697
FAO New Release, Fish.Div., Rome
 Tunisian government plan to increase fish catch and save £ 1000 a night

Short description of present fishery practices in Tunisia & suggestions for future improvements.

.tl

M

Hardy, A.C. (1958) 59-5700
Fish.Gaz., 75:58
 Controllable-pitch propellers and their many advantages

Description of the propellers, their functioning & advantages.

.tl

M

Phillips, J. (1958) 59-5701
World Fish., 7:60, 63, 64, 67
The mouth of the trawl

Description of the factors influencing the shape of the mouth of the trawl & suggestions for handling of the trawl to achieve optimum performance.

FAO:tl

M

Ambe, K.S. & 59-5704
K. Schonie (1957)
Indian J.Fish., 4(1):113
Fish proteins - nutritive value

The isolation of proteins from shark & skate muscle has been effected & the proteins compared with a standard protein-like casein.

FAO:cfa

M

Anonymous (1958) 59-5702
World Fish., 7:36-7
Will it be worthwhile to build future fishing craft in plastic?

Review of the present practices & future possibilities to use plastic for construction of fishing crafts.

FAO:tl

MF

Mužinić, R. (1958) 59-5705
Acta adriat., 8(10):1-19
Prilog izučavanju odnosa srdela (Sardina pilchardus Walb.) i njezine sredine (A contribution to the investigation of the relation of sardine, Sardina pilchardus Walb., to the environment)

Biometrical & ecological observations on sardines in the Mid-Dalmatian area were made to explain the size distribution of the fish & its changes.

FAO:mz

M

Anonymous (1958) 59-5703
Nat.Fisherm., 39:9-10, 31
Electrical fishing gear has good potential

Description of the effects of electric current on fish.

tl

MF

Mužinić, R. (1958) 59-5706
Acta adriat., 8(11):1-7
Preliminarna opažanja o srdeli (Sardina pilchardus Walb.) sa zapadne obale Istre (Preliminary observations on sardine, Sardina pilchardus Walb., from the west coast of Istra)

Length, age, sex, & maturity stages distribution. Hypothesis concerning the existence of several stocks of sardine in the Eastern Adriatic is put forward.

FAO:mz

M

<p>Ahlstrom, E.H. & R.C. Counts (1958) <u>Fish.Bull., U.S., (139):365-416</u> Development and distribution of <u>Vinciguerria lucetia</u> and related species in the Eastern Pacific</p> <p>Morphological development from embryo to adult of this abundant pelagic fish in Eastern N. Pacific is ill. & described. Characters for distinguishing it from <u>V. nimbaria</u> & <u>V. poweriae</u>. Morphometric analysis.</p> <p>FAO:sjh M</p>	<p>Anonymous (1958) 59-5710 <u>Progr.Fish-Cult., 20:110</u> Vitality and survival of rainbow trout fed the standard and the pellet diet</p> <p>Note on experiments - May 1957 - May 1958 - in stream, pond & starvation conditions.</p> <p>HR:sjh F</p>
<p>Pillay, T.V.R. (1958) 59-5708 <u>Progr.Fish-Cult., 20:99-103</u> Land reclamation and fish culture in the deltaic areas of West Bengal, India</p> <p>Describes the fisheries for <u>Mugil</u>, <u>Lates</u>, <u>Mystus</u>, <u>Penaeus</u>, <u>Metapenaeus</u> & <u>Leander</u> spp. Refers to fish culture in rice paddy.</p> <p>HR:sjh MF</p>	<p>DeLong, D.C., J.E. Halver & W.T. Yasutake (1958) 59-5711 <u>Progr.Fish-Cult., 20:111-3</u> A possible cause of "sunburn" in fish</p> <p>Feeding experiments with <u>Oncorhynchus tshawytscha</u> show niacin deficiency related to photosensitivity as indicated by occurrence of sunlight induced dermatitis very similar to pellagra in man.</p> <p>HR:sjh MF</p>
<p>Meister, A.L. & C.F. Ritzi (1958) 59-5709 <u>Progr.Fish-Cult., 20:104-10</u> Effects of chlorethane and M.S. 222 on eastern brook trout</p> <p>Laboratory comparisons, conducted in spring, 1957, of effects of these 2 anesthetics on yearling <u>Salvelinus fontinalis</u> to determine practical concentrations for field use, study effect of temperature & delayed mortality.</p> <p>HR:sjh F</p>	<p>Phillips, A.M., Jr. (1958) 59-5712 <u>Progr.Fish-Cult., 20:114-6</u> The organic composition of brook and brown trout blood</p> <p>Contents as per title. Table gives nitrogen breakdown, proteins, acids & esters; study of whole blood, serum, & plasma, using Lumetron Photoelectric Colorimeter.</p> <p>HR:sjh F</p>

Anonymous (1958) 59-5713
Progr.Fish-Cult., 20:116
Experimental feeding of a pelleted trout food to large fingerling and yearling brook, brown, and rainbow trout, 1955-1956

Correction to 584261.

HR:sjh

Combs, B.D. & 59-5716
R.E. Burrows (1958)
Progr.Fish-Cult., 20:124-8
An evaluation of bound diets

Feeding trials on utilization of diet by Oncorhynchus tshawytscha; a photo-colorimetric method of measuring the maximum binding ability of various binding agents has been developed & the method applied in the development of bound diets.

HR:sjh

Tompkins, W.A. & 59-5714
J.W. Mullan (1958)
Progr.Fish-Cult., 20:117-23
Selective poisoning as a management tool in stratified trout ponds in Massachusetts

Rotenone experiments in Cliff Pond, Cape Cod, with brown & rainbow trouts, yellow perch, brown bullheads & other fishes.

HR:sjh

Anonymous (1958) 59-5717
Progr.Fish-Cult., 20:128
Urethane and cancer

Editorial note on use of carcinogens in fisheries research; their effect on the first & the research workers. Refers to E.M. Wood, 1956, Progr.Fish-Cult., 18(3):135-6.

HR:sjh

Chance, C.J. & 59-5715
O.F. Haslbauer (1958)
Progr.Fish-Cult., 20:123
Easy-to-operate gill nets

A special design of nylon net for experimental use from outboard motor-boats.

HR:sjh

Hublou, W.F. (1958) 59-5718
Progr.Fish-Cult., 20:129-32
The use of malachite green to control Trichodina

Experiments on control of this peritrichous ciliate found to be infecting Salmo g. gairdneri at Bonneville hatchery, Oregon.

HR:sjh

Anonymous (1958) 59-5719
Progr. Fish-Cult., 20:132'
/A note/

For use in studies on the estuarine phase of the life cycles of Penaeus setiferus & P. aztecus, a pushnet has been designed to yield quantitative samples while being operated by one man in stiff, rooted vegetation in depths of 3 to 18 inches.

HR:a

MF

Fleener, G.G. (1958) 59-5722
Progr. Fish-Cult., 20:140-2
A method for marking fish with an electrical burning device

Ill. description of instrument & its use for removal of fins of small mouth bass. Fin regeneration is eliminated.

HR:sjh

FG

Snieszko, S.F. (1958) 59-5720
Progr. Fish-Cult., 20:133-6
Natural resistance and susceptibility to infections

Outlines briefly the stages in the development of research on natural resistance to infectious diseases, with reference to their study in fresh-water fishes. Particular reference to susceptibility of Salvelinus fontinalis strains to furunculosis & ulcers; isolation of Aeromonas liquefaciens as causative agent of dropsy in carp & other fishes. Bibliography.

HR:sjh

FG

Posgay, J.A. (1958) 59-5723
Progr. Fish-Cult., 20:142
A recording-measuring board

Ill. description of a board designed for measuring Placopecten in which the number of shells in each size group are counted by manual operation of a bank of counters.

HR:sjh

MG

Fromm, P.O. (1958) 59-5721
Progr. Fish-Cult., 20:137-9
A method for measuring the oxygen consumption of fish

Ill. description of apparatus & its use. Tests with Micropterus salmoides; effect on oxygen consumption of this fish of potassium chromate.

HR:sjh

FG

Burrows, R.E. & 59-5724
B.D. Combs (1958)
Progr. Fish-Cult., 20:143-4
Lignasan as bactericide and algacide

Experiments with ethyl mercury phosphate to cure bacterial gill disease of Oncorhynchus tshawytscha.

HR:sjh

MF

Fischbeck, K. (1958)
Chim. & Industr., 79:563-78
Demineralization of sea water

59-5725

Describes methods for the demineralization of sea water, incl. evaporation, crystallization, liquid-liquid extraction, ion exchange, electrodialysis, & osmosis. Technical & economic aspects of the various methods are considered, & a bibliography of 39 references is appended.

:wpa

11

Lister, B.A.J. (1958) 59-5728
Surveyor, Lond., 117:497-9
Safe disposal of waste from atomic energy establishments

The factors to be considered in assessing the amount of radioactivity which may be safely discharged to a river are discussed with particular reference to the use of the water for drinking purposes; the effect of biological concentration in aquatic vegetation, in soils, & in fish; the removal of activity by biological organisms; & the use of the river for

MacLeod, R.A., H. Hogenkamp 59-5726
& E. Onofrey (1958)
J. Bact., 75:460-6
Nutrition and metabolism of marine bacteria - VII. Growth response of a marine Flavobacterium to surface-active agents and nucleotides

Account of the development of a chemically-defined medium suitable for the growth of a Flavobacterium, isolated from sea water.

:tl

11

59-5728
(Card 2)
recreational, agricultural & industrial purposes.

wpa

F

Drobek, W. (1958) 59-5727
Städtehygiene, 9:6-7
Necessary means for the protection of water supplies in the development of the atomic industry

Quotation of the requirements for the safety limits for the content of radioactive isotopes in water, the choice of sites of atomic plants & methods of disposal of radioactive wastes.

:tl

F

Dieterich, E. (1958) 59-5730
Städtehygiene, 9:10-1
Production, properties, re-use and treatment of radioactive waste waters

A brief summary of the sources, types, & properties of radioactive waste waters. Evaporation, storage, adsorption in clay, & if the exchange properties of the soil are suitable, underground seepage, are among methods which have been used.

:wpa

11F

<p>Ophel, I.L. (1957) 59-5731 <u>Atom. Energy Canad. Ltd.</u>, No. 450, 4 p. The disposal of radioactive wastes</p> <p>The problem of the treatment & disposal of radioactive waste waters is discussed briefly, with reference to the methods used at the Chalk river, Ontario, plant of Atomic Energy of Canada, Ltd.</p> <p>swpa F</p>	<p>Kahn, B. & 59-5734 S.A. Reynolds (1958) <u>J. Amer. Wat. Wks. Ass.</u>, 50:613-20 Determination of radionuclides in low concentrations in water</p> <p>Methods are described for the concentration of water samples to determine low concentrations of radioactive zirconium, niobium, strontium, ruthenium, & iodine; & a gamma spectrometric technique is also described for determining radionuclides in water.</p> <p>wpa F</p>
<p>Setter, L.R. & 59-5732 H.H. Russell (1958) <u>J. Amer. Wat. Wks. Ass.</u>, 50:590-602 Chemical coagulation studies on removal of radioactivity in waters</p> <p>Laboratory jar tests were carried out on the use of chemical coagulants to remove radioactive material from rain water, cistern water, surface waters, rain water which had leached through soils, & extracts of an alkaline soil contaminated with nuclear bomb debris.</p> <p>swpa F</p>	<p>Hagee, G.R., A.S. Goldin & 59-5735 C.P. Straub (1958) <u>J. Amer. Wat. Wks. Ass.</u>, 50:621-7 Use of the gamma spectrometer in the identification of radionuclides in water</p> <p>The principles of gamma scintillation spectrometry for the identification of radionuclides are explained & instruments are described for obtaining the full spectrum with peaks at the characteristic gamma energies of the radionuclides.</p> <p>swpa F</p>
<p>Lefevre, M. (1958) 59-5733 <u>Hydrobiologia</u>, 12:55-72 Contribution to the knowledge of bacteria in stagnant water and their role in hydrobiology</p> <p>Investigations on the numbers of bacteria occurring in different types of ponds at different seasons of the year.</p> <p>FAO:swpa F</p>	<p>Chancellor, A.P. (1958) 59-5736 <u>London, H.M.S.O.</u>, 20 p. The control of aquatic weeds and algae</p> <p>A general survey is given of methods of biological, mechanical, & chemical control in relation to the type of weed. The use & toxicity to fish, livestock, & man, of the chemicals are discussed.</p> <p>FAO:swpa F</p>

Riddick, T.M. (1958) 59-5737
Proc.Amer.Soc.civ.Engrs, 84(1703):21 p.
Forced circulation of large bodies of water

An ill. description is given of a floating aerator which has been in operation in the impounding reservoir at Ossining, N.Y., since June 1956.

wpw

F

Nelson, C.T. & 59-5740
R.L. Koontz (1957)
Proc.Hlth phys.Soc., 1957 159-64
Automatic water sampling device

An automatic sampler for monitoring the radioactivity of water & waste waters, is described.

wpw

F

Powell, S.T. (1958) 59-5738
Engng News Rec., 161(5):44
Low cost seen for desalting sea water

Compares the costs of solar distillation, electrodialysis, freezing, & distillation for demineralization of sea water.

wpw

M

Silker, B.W. (1957) 59-5741
Washington, D.C., 10 p.
A continuous river sampling system and methods of radiochemical analyses for strontium-89, strontium-90, barium-140, and phosphorus-32

Equipment for continuous sampling to determine the amount of radioactivity in the Columbia river, Wash., has been described.

wpw

F

Caspers, H. (1957) 59-5739
Fischwirt, 7(11):281-6
Biological investigations in Hamburg harbour

The results of investigations into the biology of Hamburg harbour are described & compared with those of earlier investigations.

wpw

MF

Saddington, K. & 59-5742
W.L. Templeton (1958)
London, G.Hewnes Ltd., 112 p.
Disposal of radioactive waste

Attempts to indicate the overall problem of the disposal of radioactive waste waters, & to provide basic data for establishing safe limits of discharge, & describes methods which have been used successfully to deal with radioactive wastes.

wpw

MF

Burns, R.H. (1958) 59-5743
Paper presented at the Symp. on the
Effects of Pollution on Living Material
London, Sep. 1958

Disposal of radioactive wastes

Reviews methods for the treatment & disposal of liquid & solid radioactive wastes, with particular reference to the methods used at establishments of the Atomic Energy Authority.

:wpa

MF

Hynes, H.B.N. (1958) 59-5746
Paper presented at the Symp. on the
Effects of Pollution on Living
Material, London, Sep. 1958

The biological effects of water pollution

Reviews the biological effects of pollution of lakes & rivers by toxic substances, inert suspended solids, organic matter, non-toxic salts, compounds which cause simple de-oxygenation of the water & heated discharges.

:wpa

F

Anonymous (1957) 59-5744
Tech.de l'eau, 11(130):29-31
Disposal of radioactive wastes

The different types of radioactive wastes, incl. gaseous, liquid & solid wastes, are discussed & methods of disposal are summarized. Future research in this field is outlined.

:wpa

G

Westlake, D.F. (1958) 59-5747
Paper presented at the Symp. on the
Effects of Pollution on Living
Material, London, Sep. 1958

The effects of biological communities on conditions in polluted streams

Some effects of aquatic organisms on polluted streams are discussed briefly incl. the effect of large populations of bottom fauna & of macrophytic vegetation on the oxygen balance; the physical effects of plant growth such as a reduction in rate of flow &

Tarzwel, C.M. (1958) 59-5745
Tech.Rep.Robert A.Taft sanit.Engng Cent.
(W58-2)

Oxygen relationships in streams - 2.
Dissolved oxygen requirements for fishes

Indicates the factors which must be taken into account when establishing dissolved oxygen criteria for fish & fish-food organisms, & reviews the work of various investigators on the effect of some of these factors. The need for supplementing laboratory experiments with field studies is stressed. A bibliography of 27 references is appended.

:wpa

F

59-5747
(Card 2)
increase in depth; & the accumulation of radioactive isotopes by plants.

:wpa

F

Newell, G.E. (1958) 59-5749
Paper presented at the Symp. on the
Effects of Pollution on Living Material,
London, Sep. 1958

Pollution and the abundance of
 animals in estuaries

Comparison of the effects of
 pollution on fauna in estuaries &
 in rivers & analysis of the
 complexity of the problems in
 estuary.

:wpa

MF

Anonymous (1958) 59-5752
Fish. News, Bangkok, 11(1):1-4
(Home aquaria). Thai

An ill.note in Thai.

SJH:tjj

F

Viet-Nam. Département 59-5750
 de l'Education Nationale (1958)
Saigon, 22 p.
Institut Océanographique de Nha-Trang
(Oceanographic Institute of Nhatrang)

Describes the site, installations,
 organization laboratory facilities,
 & activities, library, aquarium,
 bureau of fishery studies & future
 activities of the institute.

GLK:hr

M

Tongsanga, S. (1958) 59-5753
Fish. News, Bangkok, 11(1):5-11
(Hatching of the eggs of Giant
Gourami). Thai En

Describes a battery of circular
 tanks with controlled water system
 eliminating the accumulation of oily
 scum on water surface & thereby
 raising survival rate from 50-60%
 to about 86.6% of Osphronemus
goramy.

SJH:tjj

F

ICSU (1958?) 59-5751
London, 72 p.
The year book 1957

Gives names of members & officers of
 Council & its constituent unions &
 committees & commissions - incl. IUGG/
 IAP0 - history of council, its
 statutes & rules: representation at
 international meeting. Report of
 S-G & of treasurer; calendar of
 activities & arrangements.

FiB:sjh

MG

Ngaorangsri, V. (1958) 59-5754
Fish. News, Bangkok, 11(1):13-6
(Shrimp in Song-Khla). Thai

SJH:

MF

Phasukavanich, C., G. Sand 59-5755
 & P. Tavaramusorn (1958)
Fish. News, Bangkok, 11(1):17-31
 (Report on the survey of salted Pla-tu
 (Rastrelliger) marketing in Indonesia
 and Singapore). Thai

SJH:

II

Chindaprasert, V. (1958) 59-5758
Fish. News, Bangkok, 11(1):43-53
 (Fish sauce - Nampla). Thai

SJH:

M

Panomsarn (1958) 59-5756
Fish. News, Bangkok, 11(1):33-8
 (Otter). Thai

SJH:

F

Svetsirini, S. (1958) 59-5759
Fish. News, Bangkok, 11(1):55-9
 (The meeting of the Fisheries
 Division of the ninth PSC). Thai

SJH:

MF

Sripejr, S. (1958) 59-5757
Fish. News, Bangkok, 11(1):39-41
 (Purpose of fishing regulations).
Thai

SJH:

MF

Suwanrat, K. (1958) 59-5760
Fish. News, Bangkok, 11(1):65-78
 (Fisheries conservation of U.S.A.).
Thai

SJH:

MF

Ekuru, P. (1958) 59-5761
Fish.News, Bangkok, 11(1):79-88
(Carp culture in paddy field). Thai

Anonymous (1958) 59-5764
Fish.News, Bangkok, 11(1):107-10
(Glossary in fisheries). Thai

Thai, common English & scientific names of 33 marine & 26 freshwater fishes & 21 aquatic animals of fishery value in Thailand.

SJH:

F

SJH-tjj

MF

Thiemmedh, J. (1958) 59-5762
Fish.News, Bangkok, 11(1):89-102
(Ichthyology). Thai

Sripaiboon, C. (1958) 59-5765
Fish.News, Bangkok, 11(1):111-22
(Shrimp farming cooperative in Chant-buri). Thai

SJH:

MF

SJH:

MF

Yorsangrat, W. (1958) 59-5763
Fish.News, Bangkok, 11(1) 103-6
(Bacteria in fish boxes). Thai

Tongsanga, S. (1958) 59-5766
Fish.News, Bangkok, 11(1):123-8
(Common carps flew from Bangkok to spawn in Ceylon). Thai

SJH:

MF

SJH:

F

Thailand. Department of 59-5767
 Fisheries. Statistics Section (1958);
Fish. News, Bangkok, 11(1):129-32
 (Fisheries statistics). Thai En

For July-September 1957, the quantities of snake-heads, catfish, Anabas, Notopterus, eel, carp & miscellaneous freshwater fish landed; fresh fish auctioned; whole salted fish products handled & average auction prices of fresh sea fish at the Bangkok wholesale market.

SJH:tjj

MF

Slobodkin, L.B. (1958) 59-5770
Gen. Syst., 3:73-100
 Formal properties of animal communities

An exploration of the procedure of evaluating order of magnitude of constants & analysis of properties of purely formal models over a wide range of possible constants, as contrasted with the precise evaluation of constants for particular situations.

SLB:ajh

G

von Bertalanffy, L. & 59-5768
 A. Rapoport (Ed.) (1958)
Ann Arbor, Univ. of Michigan, 259 p.
 General systems - Yearbook of the
 Society for general systems research,
 vol. III

Annual report of the Secretary-Treasurer; list of members' names & addresses, incl. papers 59-5769 to 59-5775. In this volume, to commemorate Darwin Centennial Year, special attention is given to biology, particularly population dynamics.

GLK:sjh

G

Watt, K.E.F. (1958) 59-5771
Gen. Syst., 3:100-21

The choice and solution of mathematical models for predicting and maximizing the yield of a fishery

Reprinted from: J. Fish. Res. Bd. Can., 13:613-45, 1956. The specific form of component terms & values of parameters must be derived in each instance through a combination of deduction & joint regression analysis. To solve models, catch-effort data must be weighted to avoid gross errors, all readable scales must be aged, & capture programs are necessary.
 GLK:sjh MF

Margalef, D.R. (1958) 59-5769
Gen. Syst., 3:36-71
 Information theory in ecology

Essay on use of mathematics in ecology, specially information theory to describe mixed-heterogeneously distributed populations. Application to plankton distribution off Vigo, with a new method of charting heterogeneity of geographic distribution.

GLK:sjh

MG

Watt, K.E.F. (1958) 59-5772
Gen. Syst., 3:122-47

Studies on population productivity - Three approaches to the optimum yield problem in populations of Tribolium confusum

Reprinted from: Ecol. Monogr., 25: 269-90, 1955. Incl. appraisal of theory for assessing yields from exploited populations, incl. fish stocks.

GLK:sjh

G

MacArthur, R. (1958) 59-5773
Gen.Syst., 3:148-51
 Fluctuations of animal populations
 and a measure of community stability
 Reprinted from: Ecology, 36, 1955.

GLK: G

Ireland. Laws, 59-5776
 Statutes etc. (1958)
Dublin, Cahill & Co., Ltd., 19 p.
Fisheries (amendment) Bill, 1957.
In Ga
 An act to amend & extend the
 fisheries acts, 1842 to 1956, in
 respect of certain matters, incl.
 the right to vote at elections of
 conservators for electoral divisions,
 fishing licences - incl. licences to
 take oysters from oyster fisheries -
 the licence duties payable
 thereon, to re-enact, with
 modifications, the salmon conservancy

Neyman, J., T. Park 59-5774
 & E.L. Scott (1958)
Gen.Syst., 3:152-79
 Struggle for existence - The Tribolium
 model: biological and statistical
 aspects
 Reprinted from: Proc. of the 3rd
Berkeley Symp. on math.Statist.Probab.,
Univ. of California Press, 1955.

GLK: G

59-5776
 (Card 2)
 fund act, 1954 & to provide for
 other related matters.

MF

Neyman, J., E.L. Scott 59-5775
 & C.D. Shane (1958)
Gen.Syst., 3:193-219
 Statistics of images of Galaxies with
 particular reference to clustering
 Theory of aggregates of the kind
 encountered also in study of
 biological populations.

GLK:sjh G

Anonymous (1959) 59-5778
Industr.pesqu., 33(762).24-6
Pesquerias y cooperacion internacional
 (Fisheries and international
 co-operation)
 Spanish translation of 59-3229.

FAC: MF

Seppovaara, O. (1959) 59-5779
Monistett.julk., (6):7 p.
 Über das Vorkommen der Reliktform des
 Seelachses (Salmo salar L.m. relictus
 Malmgr.) in einigen Binnengewässern
 Finnlands - Vorläufige Mitteilung
 (On the occurrence of relict form of
 salmon, S. salar L.m. relictus Malmgr.,
 in some inland waters of Finland -
 Preliminary contribution)

Notes on the occurrence of landlocked
 salmon in Finland & morphological
 comparison of these with Salmo trutta
S. salar.

GLK:tl

MF

Anonymous (1959) 59-5782
Mondo d.Natura, (1):4-6
Acanturidi (Acanthurids)

Article on Acanthuridae consisting of
 synopsis of Acanthurus lineatus &
Naso brevirostris under headings:
 morphological & anatomical characters,
 life cycle, ecology & distribution.

HR:hr

M

Szczepanik, E. (1958) 59-5780
Rep.F.A.O.Train.Cent.Fish.Co-op., 2:
 126 p.
 Fishermen's co-operatives in the Indo-
 Pacific region

Discussions of the functions of
 middlemen & of cooperative societies
 in fisheries, & detailed account of
 fishermen's cooperatives in the Indo-
 Pacific region, as revealed by a
 questionnaire sent to all countries of
 the region.

FiB:glk

MF

Anonymous (1959) 59-5783
Mondo d.Natura, (1):14
Acipenseriformi (Acipenseriformes)

Article on Acipenseridae & Poliodontidae
 under headings: morphological &
 anatomical characters, life cycle,
 ecology, classification & distribution,
 & importance to men.

HR:hr

MF

Motta, F. (Ed.) (1959) 59-5781
Milan,
 Nel mondo della natura (The world
 of nature)

A ten volume encyclopedia being issued
 in 200 weekly fascicules. The early
 volumes will deal with the animal
 kingdom; later ones with plants,
 minerals & geology. Alphabetic indexes
 of spp. will be issued. Unsigned
 articles, in alphabetic order, will be
 cited separately in this bibliography
 when appropriate. Ill. in black &
 white & colour.

HR:sjh

MF

Anonymous (1959) 59-5784
Mondo d.Natura, (2):38-40
Aironi (Heron)

Article on Ardeidae, consisting of
 synopsis of Ardea, Casmerodius,
Pyrroherodia, Demigretta, Egretta &
Ardeola under headings: morphological
 & anatomical characteristics, life
 cycle, ecology, classification &
 distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5785
Mondo d.Natura, (2):46
Alborella. It

Article on Cyprinidae consisting of synopsis of Alburnus albidus & A. alburnus under headings: anatomical morphological characteristics, life cycle, ecology, classification & distribution & value to man.

HR:hr

F

Anonymous (1959) 59-5788
Mondo d.Natura, (2):56-7
Alligatore del Mississippi
(Alligator from the Mississippi)

Article on Alligatoridae consisting of synopsis of Alligator mississippiensis under headings: morphological anatomical characteristics, life cycle, distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5786
Mondo d.Natura, (2):46-7
Albulidi (Albulids)

Article on Albulidae consisting of synopsis of Albula vulpes & A. conorhynchus under headings: morphological & anatomical characteristics, ecology, & relation to men.

HR:hr

MF

Anonymous (1959) 59-5789
Mondo d.Natura, (2):57-9
Alligatoridi (Alligatorids)

Article on Alligatoridae under headings: morphological & anatomical characteristics, life cycle, distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5787
Mondo d.Natura, (2):56
Alligatore della Cina (Alligators from China)

Article on Alligatoridae consisting of synopsis of Alligator sinensis under headings: morphological & anatomical characteristics, life cycle, distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5790
Mondo d.Natura, (2):64
Alopidi (Alopids)

Article on Alopidae consisting of synopsis of Alopias vulpinus under headings: morphological & anatomical characteristics, life cycle, ecology, classification & distribution.

HR:hr

M

De Angelis, C. (1959) 59-5791
G.Pesca, 9(5):3
Osservazioni sulla zona mesoabissale
 (Observations on the abyssal
 zone)

Popular account of nature,
 composition & distribution of the
 abyssal fauna & methods of study.

GLK:glk

II

Ireland. Laws, 59-5794
 Statutes, etc. (1957)
Dublin, Cahill & Co., Ltd., 170 p.
Fisheries (Consolidation) Bill, 1957.
En Ga

Memorandum showing enactments proposed
 to be repealed by the Fisheries
 (Consolidation) Bill, 1957, & sections
 of the Bill in which those
 enactments are reproduced.

FiB:

MF

Montalban, H.R., G.J. Blanco 59-5792
 & I.A. Ronquillo (1957)
Contr.Publ.IPFC/C57/CP21, 16 p.
Philippine fishes

Ill. popular bulletin listing
 common spp., & giving notes on size,
 habitat & habits. (issued as Pop.Bull.
Dep.Agric.nat.Resour., Philipp., (49),
 undated).

GLK:glk

Tomiyaama, I., S. Abe 59-5795
 & T. Tokioka (1959)
Tokyo, Hokuryu-Kan, 480 p.
(Encyclopaedia zoologica illustrated
in colours). Ni

This volume incl. 1,020 spp. of fishes
 (incl. 108 tropical spp.) & 135 spp.
 of protochordate. The spp. incl.
 not only those found in Japanese
 waters but also foreign ones.

:ym

MF

Zürich. Fischerei und 59-5793
 Jagdverwaltung (1958)
Zürich, 44 p.
Jahres-Bericht der Fischerei- und
Jagdverwaltung des Kantons Zürich über
das Geschäftsjahr 1957 (erweiterter
Bericht) (Annual report of the
 Fish and Game Administration of the
 canton Zürich for the year 1957)

FiB:

F

Dickson, W. (1958) 59-5796
World Fish., 7(7):3 p.
How to match trawl size to engine
power on inshore vessels

Gives an equation relating drag, mesh
 size, number of meshes round mouth,
 specific gravity of twine, runnage
 of twine, & towing speed; ill. its
 practical application to determine
 correct net size in relation to
 engine used.

FiB:sjh

M

Cuiabá. Departamento 59-5797
 Estadual de Estatística (1957)
 In "Dados Estatísticos do Estado
 Decênio 1946/55", Cuiabá, 1 p.
 Produção de pescado no estado, segundo
 as espécies no período 1947/1956
 (Fish production in the state by
 species during 1947/1956)

Table (kg) in the State of Mato Grosso.

F

France. Conseil Supérieur 59-5800
 de la Pêche (1959)
 Paris, 70 p.

Bulletin officiel d'information no. 1
 (Informational bulletin no. 1)

Regular quarterly bulletin reporting
 the activities of the Council;
 technical notes, 59-5801 to 59-5803;
 official communications concerning
 such matter as pollution, policing, &
 control of fishing; jurisprudence;
 service conditions; statistics
 employment.

FAO:glk

MF

FAO Regional Conference for 59-5798
 Asia & the Far East, 4th - Tokyo,
 6-16 October 1958 (1958)
 Tokyo, 101 p.

Report of the fourth FAC Regional
 Conference for Asia and the Far East

Contains, under chapter "Major questions
 of food & agricultural development in
 the region" section on "Problems of
 determining priorities in fishery
 development planning" & under "Specific
 activities requiring conference
 guidance or government action" section
 on "Fisheries statistics". Incl. list of

Anonymous (1959) 59-5801
 Bull.inf.Cons.sup.Pêche, (1):11-4
 Les travaux du Professeur Fontaine
 sur le saumon de l'Adour à Oloron
 (The work of Professor Fontaine on the
 salmon of the Adour to Oloron)

Marking experiments with Salmo salar
 off Cornwall & Brittany.

FAO:sjh

MF

59-5798
 (Card 2)
 documents, meetings convened by FAO,
 summary of recommendations, etc.

FiB:sjh

Huet, M. & 59-5802
 J.-A. Timmermans (1959)
 Bull.inf.Cons.sup.Pêche, (1):15-21
 Production de brochetons de sept
 semaines (Production of seven week
 pike fingerlings)

Note on Esox culture in Belgium.

FAO sjh

F

Anonymous (1959) 59-5803
Bull.inf.Cons.sup.Pêche, (1):22-3
 Observations sur le peuplement de
 l'étang de la Bonde (Bouches-du-Rhône)
 en sandres (Observations on the
 stocking of Bonde pond, Bouches-du-
 Rhône, with pike-perch)

A short note.

FAO:sjh

F

Brunet, R. (1958) 59-5806
Bull.inf.Cons.sup.Pêche, (34):62-70
 Les poissons carnassiers de
 repeuplement (Common fishes for
 stocking)

Consideration of natural factors
 affecting the establishment of
 populations of Perca fluviatilis,
Micropterus punctulatus, L. dolomieu,
M. salmoides, Esox lucius & Sander
luciperca.

FAO:glk

F

Federal Aid in Fish & 59-5804
 Wildlife Restoration (1958)
Wyoming Game & Fish Comm., 26 p.
 A study of the effect of fertilization
 on trout growth in an alpine lake in
 Wyoming

Intermin reports on study of brook
 & rainbow trout in L. Marie & Mirror L.,
 1957.

WAD:sjh

F

Claus, G. (1959) 59-5807
Arch.Hydrobiol., 55(1) 1-29
 Studien über die Algenvegetation der
 Thermalquelle von Bükkuszék
 (Studies on the algae vegetation of
 the hot springs in Bükkuszék)

Describes the population, 60 spp.,
 & compares it with that of other
 Hungarian hot springs under similar
 ecological conditions.

FAO:dr

F

France. Conseil Supérieur 59-5805
 de la Pêche (1958)
 Paris, 144 p.
 Bulletin officiel d'information no. 34
 (Informational bulletin no. 34)

Section 1 reports the work of the
 Superior Fisheries Council; section 2
 contains technical notes - 59-5806 -,
 3 official announcements of forces etc.
 4 notes on legal matters; 4 notes on
 the work of fishery inspectors.

FAO:glk

F

Hornung, H. (1959) 59-5808
Arch.Hydrobiol., 55(1):52-126
 Floristisch-ökologische Untersuchungen
 an der Echaz unter besonderer
 Berücksichtigung der Verunreinigung
 durch Abwässer (Floristic-
 ecological investigations on the
 Echaz with special consideration to
 water pollution)

Reports correlation between the
 population of a river biotop & its
 changes caused by environmental
 influences.

FAO:dr

F

Yockey, H.P. (1958) 59-5809
London, Pergamon Press, 418 p.
Symposium on information theory in
biology - Gatlinburg, Tennessee,
October 29-31, 1956

Contains more than 30 papers on various
aspects of this subject, with
Editorial introductions & discussion
under main headings: Storage & transfer
of information; Determination of
information measures; Destruction of
information by ionizing radiation;
Aging & radiation damage; Information
networks; Bibliographies with each

Sacher, G.A. (1958) 59-5812
"In" 59-5809:317-30
Entropic contributions to mortality
and aging

Theoretical study, with discussion
of relation of life-expectation to
body-size & metabolic rate of
animals.

FAO:sjh

G

59-5809
(Card 2)
paper; Status of information in
biology; Author & subject indexes.
Contains 59-5811 & 59-5812.

FAO:sjh

G

Giletti, B.J. 59-5813
J.L. Kulp (1959)
Science, 129:901-3
Tritium tracer in Arctic problems

Tritium measurements in the Arctic
ocean confirm a marked near-surface
stratification. Sea water at 400
meters' depth, however, is less than
3 years old, suggesting a contribution
to this water mass due to sinking
along the continental shelf. The top
ice layer on the Ward Hunt Island
ice field is older than 25 years.

FAO:bjg

M

Yockey, H.P. (1958) 59-5811
"In" 59-5809:297-316
A study of aging, thermal killing, and
radiation damage by information theory

Theory & results of experiments incl.
study of effect of parental age on
survival of 2 rotifers, Euchlanis &
Philodina spp.

FAO:sjh

FG

Dickson, L.E. (1958) 59-5814
New York, 312 p.
Linear groups with an exposition
of the galois field theory

G

Scholander, P.F. (1959) 59-5815
Science, 129:1085-7
Wave-riding dolphins: how do they do it?

Discussion of the ability of dolphins & of explanations of how this is done, with account of an experiment with a vane fixed on the bow of a ship & held in the bow-wave at various positions to measure drag & thrust.

FAO:glk

M

Anonymous (1959) 59-5818
Science, 129:1117-8
IATO Oceanographic Center

Note on the establishment of this centre.

FAO:glk

M

Pumphrey, R.J. (1959) 59-5816
Science, 129:1087-92
The forgotten man: Sir John Lubbock

Biographical note on this zoologist who made contributions to comparative physiology & to hydrobiology.

FAO:glk

MF

Wise, J.P. (1959) 59-5819
Science, 129:1122
Living resources of the sea

Review of 582527.

FAO

II

Struik, D.J. (1959) 59-5817
Science, 129:1100-6
American science between 1780 and 1830

Historical note of these activities which incl. scientific expeditions.

FAO:glk

MF

Schultz, L.P. & 59-5820
R.H. Kanazawa (1959)
Science, 129:1123
Encyclopaedia zoologica. illustrated in colours

Review of 59-5795.

FAO:

MF

Schaeffer, B. (1959) 59-5821
Science, 129:1124-5
Anatomie de *Latimeria chalumnae*
 Essay review of 59-3025.

FAO:

M

Hogben, C.A.M. (1959) 59-5824
Science, 129:1224-5
Electrophysiology of the elasmobranch stomach

Examination of the mechanism of gastric secretion by the mucosae of dogfish, *Squalus acanthias* L., & also of *Pollachius virens*, *Microgadus tomcod*, *Nyxocephalus octodecimspinosus*, *Pseudopleuronectes americanus*, *Anguilla rostrata*, & *Ameiurus nebulosis*.

FAO:glk

MF

Hough, J.L. (1958) 59-5822
Urbana, Univ. of Illinois Press, 313 p.
Geology of the Great Lakes

F

Hubbs, C., G.E. Drewry 59-5825
 & B. Warburton (1959)
Science, 129:1227-9
Occurrence and morphology of a phenotypic male of a gynogenetic fish

A phenotypic male of *Mollienesia formosa*, a gynogenetic fish, has been collected at Brownsville, Texas. Morphological examination & comparison of males & females with regard to a hypothesis as to the hybrid origin of the sp.

FAO:glk

F

Lougee, R.J. (1959) 59-5823
Science, 129:1134-5
Geology of the Great Lakes

Review of 59-5822.

FAO:

F

Jackson, J. (1959) 59-5826
Discovery, 20:284-91
Water for the world

Ill. account of progress in methods of obtaining fresh from saline water.

FAO:sjh

MF

Ostroumov, E.A. & 59-5827
 V.V. Shilov (1957)
Geochem.News, (7):
 (Distribution of sulphureous iron and
 hydrogen sulphide in sediments of
 deep-water depressions of the north-
 western part of the Pacific ocean).
Ru

M

deBruin, G.H.P. & 59-5830
 D.J. Crisp (1957)
J.exp.Biol., 34:447-63
 The influence of pigment migration on
 vision of higher crustacea

 Test, by measurement of the visual
 acuity of Leander serratus, Pandalus
montagui & Praunus flexuosus under
 different conditions of the hypothesis
 that the movement of distal pigment
 during light adaptation improved the
 visual acuity of the super position I.
 (issued as: Contr.Mar.Biol.Univ.Wales,
 1958).

FiB:glk

M

Crisp, D.J. & 59-5828
 D.H.A. Marr (1957)
Proc. 2nd int.Congr.Surface Activity
(Solid/Liquid Interface & Cell/Water
Interface), 310-20
 Energy relationships in physical
 toxicity

Discussion of the action of organic
 substances on nauplius larvae of
Elminius modestus. The time &
 temperature evidence of physical
 narcosis, the mechanism of physical
 toxicity, & arguing that the kind of
 action of physical narcotics implies
 that all narcotics have equal molar

Jones, W.C. (1957) 59-5831
Quart.J.micr.Sci., 98(2):203-17
 The contractility and healing
 behaviour of pieces of Leucosolenia
complicata

Account of the behaviour of isolated
 pieces of the wall, of pieces after
 removal of their choanoderm & of
 pieces in sea water mixed with MgCl₂
 solution.

FiB:glk

M

59-5828
 (Card 2)
 concentrations or molar volumes in
 the particular biophase where they
 interfere with vital activity. (issued
 as: Contr.Mar.Biol.Univ.Wales, 1958).

FiB:glk

M

Heighway, A.J. (Publ.)(1959) 59-5832
Fish.News, Lond., Suppl., April 1959,
 28 p.
 Fairty factory fishing fleet

Series of technical articles on
 design, construction & operation of
 large factory-stern trawlers.

FiB:sjh

M

Lenier, R. (1959) 59-5833
France pêche, 4(28):44-7
La pêche à la lumière en Méditerranée
(Light fishing in the Mediterranean)

Extract from & commentary on a report
on this subject by Farina & Bourgois,
& a paper by Nikoronov, with regard to
technical aspects of surface & under-
water illumination, spp. caught & the
fishing methods employed, & behaviour
of the fish.

FAO:glk

M

Tomiyama, I. & 59-5836
T. Abe (1957)
Tokyo, 1141-69
Figures and descriptions of the
fishes of Japan (a continuation of
Dr. Shigeho Tanaka's work) vol. LVI

Contains 59-5837 to 59-5840.

GLK: sjh

M

Anonymous (1959) 59-5834
France pêche, 4(28):51
Fiche technique du poisson: l'anchois
(Card technique of anchovy)

Detachable card giving description,
common names, distribution, biology -
spawning & growth - fishing &
commercial use of Engraulis
encrassicholus.

FAO:glk

M

Age, T. (1957) 59-5837
"In" 59-5836:1141-7
Exocoetus volitans Linnaeus
(Exocoetidae). Ni

Ill. taxonomic account. Synonymy;
detailed description of a type of
specimen; notes on other specimens.

GLK: sjh

M

Haslett, A.W. (1958) 59-5835
Sci.News, Harmondsworth, (50):119-20
Research report - The British
Association - Evolution in gastropoda
in fresh waters

Reviews subject & summarizes
observations on breathing, feeding &
reproduction of freshwater snails.

GLK:efa

F

Abe, T. (1957) 59-5838
"In" 59-5836:1148-54
Cyclotone microdon (Günther)
(Gonostomatidae). Ni

Ill. taxonomic account. Synonymy;
detailed description of a type of
specimen; notes on other specimens.

GLK: sjh

F

Abe, T. (1957) 59-5839
 "In" 59-5836:1155-63
Pristipomoides filamentosus roseus
 (Castelnau) (Lutianidae). Ni

Ill. taxonomic account. Synonymy;
 detailed description of a type
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. (1958) 59-5842
 "In" 59-5841:1195-9
Ptereleotris evides (Jordan & Hubbs)
 (Eleotridae). Ni

Ill. taxonomic account; synonymy;
 detailed description of a type
 specimen; notes on other specimens.

GLK sjh

M

Tomiyama, I. (1957) 59-5840
 "In" 59-5836:1164-9
Eleotriodes longipinnis (Lay &
 Bennett) (Eleotridae). Ni

Ill. taxonomic account. Synonymy;
 detailed description of a type
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. (1958) 59-5843
 "In" 59-5841:1200-5
Vireosa hanae Jordan & Snyder
 (Eleotridae). Ni

Ill. taxonomic account. Synonymy;
 detailed description of a type
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. & 59-5841
 T. Abe (1958)
Tokyo, 1195-219
 Figures and descriptions of the
 fishes of Japan (a continuation of
 Dr. Shigeo Tanaka's work) vol. LVIII
 Contains 59-5842 to 59-5846.

GLK:sjh

M

Tomiyama, I. (1958) 59-5844
 "In" 59-5841:1206-9
Eutaeniichthys gilli Jordan & Snyder
 (Gobiidae). Ni

Ill. taxonomic account. Synonymy;
 detailed description of a type
 specimen; notes on other specimens.

GLK:sjh

M

<p>Tomiyama, I. (1958) 59-5845 'In' 59-5841:1210-4 <u>Suruga fundicola</u> Jordan & Snyder (Gobiidae). Ni</p> <p>Ill. taxonomic account; synonymy; detailed description of a type specimen; notes on other specimens.</p> <p>GLK:sjh M</p>	<p>Haslett, A.W. (1959) 59-5848 <u>Sci.News, Harmondsworth</u>, (52):119-20 Research report - Antarctica a true continent</p> <p>Reviews evidence of sub-oceanic crust-thickness based on seismic records of an earthquake beneath Indian ocean during IGY, reported by F.F. Evison, G.E. Ingham & R.H. Orr, Nature, Lond., 183:306.</p> <p>SJH:sjh M</p>
<p>Abe, T. (1958) 59-5846 'In' 59-5841:1215-9 <u>Decapterus kurroides aka-adsii</u> Abe (Carangidae). Ni</p> <p>Ill. taxonomic account. Synonymy; detailed description of a type specimen; notes on other specimens.</p> <p>GLK:sjh M</p>	<p>Tack, E. (1958) 59-5849 <u>Ost.Fisch.</u>, 11:129-34 <u>Über einige aktuelle Fragen der</u> <u>Forellenzucht</u> (Questions of present interest referring to trout culture)</p> <p>Collection of selected lectures of a series addressed to a training centre organized by Austrian Fisheries Association; incl. papers: 1) Our knowledge on the new trout disease; 2) Results of new experiments on fry feeding in Albarmer; 3) On the Danish trout-culture; 4) Efficiency tests in trout cultivation. FAO:dr F</p>
<p>Haslett, A.W. (1959) 59-5847 <u>Sci.News, Harmondsworth</u>, (52):112-5 Research report - New theory of eel migrations</p> <p>Reviews subject & summarizes theory of Tucker, D.W., 59-2477.</p> <p>SJH:sjh MF</p>	<p>Khartoum. University 59-5850 Hydrobiological Research Unit (1958) <u>Khartoum, Middle East Press</u>, 22 p. Fifth annual report</p> <p>Staff members, facilities & equipment, note on activities. Survey of work in progress comprises papers by Gay, P.A. Rzoska, J. & Nawar, G. List of papers published during the period covered by the report.</p> <p>SJH:sjh F</p>

Healy, M.J.R. (1958) 59-5851
Biometrics, 15(1):149
Multivariate growth data

Abstr. of paper presented at the meeting of the 4th International Biometric Conference, Ottawa, August 28-September 2, 1958. An interim report on work being carried out by the author in collaboration with Dr. J.M. Tanner of the Institute of Child Health, Univ. of London, & others. The known techniques of multivariate analysis have not been much used in practice, largely due to the computational labor involved. This is now being overcome by the use of electronic computers.

SJH:mjrh

G

Andersen, F.S. (1958) 59-5854
Biometrics, 15(1):166-7
Competition in populations of one-age group

Abstr. of paper presented at the meeting of the 4th International Biometric Conference, Ottawa, August 28-September 2, 1958. Based on the literature on competition in populations consisting of a single age-group, mathematical models are given. Critical reviews have not yet been made of the literature dealing with the effect of density on the duration of development & on animal movements.

SJH:fsa

FG

Davis, D.E. (1958) 59-5852
Biometrics, 15(1):164-5
The behavioural assumptions in census methods

Abstr. of paper presented at the meeting of the 4th International Biometric Conference, Ottawa, August 28-September 2, 1958. Problems of estimating populations of wild animals have attracted the attention of statisticians for a couple of decades. The methods developed have necessarily made assumptions about the behaviour of the animals so that the population could be estimated. The present paper

Eastman, D. (1959) 59-5855
Ore.St.Game Bull., 14(5):3-4, 6
Fishing access

A review of legal situation in Oregon.

WAD:sjh

F

59-5852
(Card 2)
explores knowledge of behaviour in reference to these assumptions.

Anonymous (1959) 59-5856
New Scient., 5:1148
Lazy dolphins

Note on an experiment made to measure the forward thrust of the bow wave of a ship on an inclined plane fixed in it in imitation of the tail of a dolphin, the experiment having been made to ascertain how dolphins ride bow waves.

SJH:ded

G

FAO:glk

M

Mackintosh, N.A. (1959) 59-5857
New Scient., 5:1229-31
Biological problems in the regulation
of whaling

An article about the whaling industry
& whale conservation, on the occasion
of 11th meeting of the IWC.

FAO:sjh

M

French Equatorial Africa 59-5860
Haut-Commissariat Général de la
Republique en Afrique Equatoriale
Française (1959)
Brazzaville, 57 p.

Cinquième rapport de la Station de
Pisciculture de la Djoumouna
Brazzaville, année 1958 (Fifth
report of the fish culture station
Djoumouna Brazzaville, 1958)

An account of its operation, the
culture of several spp. of Tilapia,
Heterotis, Gambusia, etc., & future
study plans.

WAD:wad

F

Anonymous (1959) 59-5858
New Scient., 5:1256
Lazy dolphins

Comment on 59-5856.

FAO:sjh

M

Wilson, J.T. (1959) 59-5861
Trans.Amer.geophys.Un., 40(1):3-24
Geophysical Institutes of the U.S.S.R.
and of the People's Republic of China

Contains also lists, addresses & short
descriptions of facilities &
activities of oceanographic institutes.

TL:tl

M

Film (1959) 59-5859
Stockholm, Solfilm
Så fiskar vi gös (How we fish
perch pike)

21 min. duration, 16 mm, color.
Fishing method & gear used in the
fishery for perch pike & its culture.
Ref.: Svensk FiskTidskr., 68(3) 35.

T

Anonymous (1959) 59-5862
Trans.Amer.geophys.Un., 40(1):32
New oceanographic vessel of the Navy

Note on the research vessel GIBBS,
attached to Hudson Laboratories of
Columbia University & in service from
December 1958.

TL:sjh

M

Anonymous (1959) 59-5863
Trans.Amer.geophys.Un., 40(1):35
Influence of wind on coastal waters

The National Science Foundation has made a grant to the University of Florida to study the effects of high winds on coastal waters. The wave tank of the University of Florida as well as actual off-shore measurements will be involved.

TL:a

M

Garner, D.M. (1958) 59-5866
N.Z.J.Geol.Geophys., 1(3):577-94
The Antarctic convergence south of New Zealand

M

Anonymous (1959) 59-5864
Trans.Amer.geophys.Un., 40(1):73-5
IGY Bulletin - Seismic studies in the Western Caribbean

Analyses of the geological structure of the sea bed from seismic measurements.

TL:tl

M

Hersey, J.B. & 59-5867
M.S. Rutstein (1958)
Bull.geol.Soc.Amer., 69(10):1297-1304
Reconnaissance survey of Oriente deep (Caribbean Sea) with a precision echo sounder

M

Anonymous (1959) 59-5865
Trans.Amer.geophys.Un., 40(1):78-9
IGY Bulletin - Measurements of the Pacific equatorial countercurrent

Note on the distribution of velocity with depth & estimates on mass transport.

TL:tl

M

Palekar, V.C. & 59-5868
D.V. Bal (1957)
J.Bombay nat.Hist.Soc., Dec.1957:962-4
Destruction of timber by marine organisms in the Karwar port

Destruction of wooden beams by borers near mouth of R. Kali, south of Bombay; relation to salinity fluctuations, a monthly chart of which is given for 1951-2.

FiB:sjh

M

Mansueti, R. (1958) 59-5869
Atlant.Nat., 13(2):72-84
The Granesville Pine Swamp

Incl. list of fishes & crustaceans
in this part of Maryland.

FiB:sjh

F

Burton, M. (1958) 59-5872
London, Phoenix House, 64 p.
Life in the deep

Popular account of oceanic
exploration & sea-monsters,
instruments for oceanography,
marine biota especially plankton
& abyssal forms, & careers in
marine biology.

FiB:glk

M

Bhimachar, B.S. (1959) 59-5870
Proc.Indian Sci.Congr., 46(2):1-16
Inland fisheries of India and their
problems

Essay on the resources & their
exploitation, with regard to
conservation; introduction, pollution,
dams; riverine, estuarine & culture
fisheries; fish seed, pond management,
weed control, swamp reclamation, pond
soils, utilization of sewage in ponds,
statistics, causes of mortality.

FiB:sjh

MF

Harvey, H.W. (1957) 59-5873
Cambridge, Univ. Press, 234 p.
The chemistry and fertility of sea
waters

2nd enlarged ed.

M

Schwartz, F.J. (1958) 59-5871
W.Va Conserv., February 1958:8-9
Lampreys of West Virginia

Short note on occurrence of various
parasitic & non-parasitic spp. in the
State, & their life-histories.

FiB:sjh

F

Lane, F.W. (1957) 59-5874
London, Jarrolds, 287 p.
Kingdom of the octopus - The life
history of the Cephalopoda



M

Pilkington, R. (1957) 59-5875
London, Routledge & Paul, 166 p.
The ways of the sea

M

Kaberry, A.C. (Chairm.) (1957) 59-5878
Proc.N.Z.ecol.Soc., (4):27-36
Cook strait as a field for ecological study

Symposium conducted at 5th annual meeting of the Society, incl. papers 59-5879 to 59-5884, with full discussion.

FAO:sjh

M

Tiller, L.W. (Chairm.) (1957) 59-5876
Proc.N.Z.ecol.Soc., (4):6
The delineation of natural areas in New Zealand

Symposium at 5th annual meeting of Society, incl. papers 585821 & 59-5877, & full discussion.

FAO:sjh

FG

Brodie, J.W. (1957) 59-5879
Proc.N.Z.ecol.Soc., (4):27
Marine geology of Cook strait

A review presented to 59-5878.

FAO:sjh

M

Robertson, N.G. (1957) 59-5877
Proc.N.Z.ecol.Soc., (4):6
Climatic districts of New Zealand

Paper contributed to symposium, 59-5876, at 5th annual meeting of Society.

Garner, D.M. (1957) 59-5880
Proc.N.Z.ecol.Soc., (4):28
Physical oceanography of Cook strait

Short review presented to 59-5878.

FAO:sjh

M

Bary, B.M. (1957) 59-5881
Proc.N.Z.ecol.Soc., (4):28-9
Plankton

Short review presented to 59-5878.

FAO:sjh

M

Fleming, C.A. (1957) 59-5884
Proc.N.Z.ecol.Soc., (4):33-4
Biogeography of Cook strait seabirds

Short review presented to 59-5878,
with notes on feeding.

FAO:sjh

M

Garrick, J.A.F. (1957) 59-5882
Proc.N.Z.ecol.Soc., (4):29-31
Sharks and rays of Cook strait

Short review presented to 59-5878.

FAO:sjh

M

Cassie, R.M. (1957) 59-5885
Proc.N.Z.ecol.Soc., (4):37-9
The sampling problem, with particular
reference to marine organisms

Paper contributed to 5th annual
meeting of the Society referring to
contagious distributions; non-
homogeneity of water masses; uses of
mathematical models; proposed
experimental work with plankton
pumps.

FAO:sjh

MG

Yaldwyn, J.C. (1957) 59-5883
Proc.N.Z.ecol.Soc., (4):32
Decapods

Short review presented to 59-5878.

FAO:sjh

M

Jolly, V.H. (1957) 59-5886
Proc.N.Z.ecol.Soc., (4):43-4
Thermal stratification in some New
Zealand lakes

Paper contributed to 5th annual
meeting of the Society, comparing
features of 6 N.Z. lakes with those
of lakes elsewhere.

FAO:sjh

F

ICNAF (1959) 59-5887
Halifax
Annual meeting - June 1959

Incl. proceedings, documents; also
agendas, research programs & other
unnumbered papers.

SJH:sjh

M

ICNAF (1959) 59-5890
ICNAF Annu.Meet.1959 Pap.(mimeo)
Proc.no. 3, Serial no. 600 (B.Meet.f.
2 & 3) Appendix II
Co-operative haddock program in ICNAF
subarea 4

SJH:

M

ICNAF (1959) 59-5888
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no. 600 (B.Meet.f.
2 & 3)

Minutes of December 1958 meeting of
scientific advisers to panels 4 and 5

Reports discussion of biological
research on Melanogrammus aeglefinus,
Gadus callarias, scallops; statistics;
plans for future meetings. Appendices
give list of participants & contributed
scientific notes - 59-5889 to 59-5896.

SJH:sjh

M

Taylor, C.C. & 59-5891
R.R. Stoddard (1959)
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no.600 (B.Meet.f.
2 & 3) Appendix III
Recent variations in haddock growth

SJH:

M

ICNAF (1959) 59-5889
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no. 600 (B.Meet.f.
2 & 3) Appendix I
List of participants

Taylor, C.C. & 59-5892
D.P. Oberacker (1959)
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no.3, Serial no.600 (B.Meet.f.
2 & 3) Appendix IV
Some effects of undetected trends in
estimating mortality coefficients

Comparison of Paloheimo & Beverton
& Holt methods - 581530 & 583330.

SJH:

M

SJH:sjh

M

Dickie, L.M. (1959) 59-5893
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no. 600 (B.Meet.f.
2 & 3) Appendix V
Method for measuring benefits of the
Georges Bank mesh regulation

Discussion of 59-2307.

SJH:sjh

M

Ruivo, M. & 59-5896
G.V. Quartin (1959)
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no. 600 (B.Meet.f.
2 & 3) Appendix VIII
Age- and length-composition of cod
(Gadus callarias L.) caught in
subarea 4 in 1956-58

SJH:

M

Dickie, L.M. (1959) 59-5894
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no. 600 (B.Meet.f.
2 & 3) Appendix VI
Effects of possible mistakes in age
determination on age-composition and
mortality estimates for Georges Bank
haddock

SJH:

M

Graham, H.W. (1959) 59-5997
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 4, Serial no. 603, (D.Res.
a./58)
United States research in the
convention area during 1958

Summary of studies & results by this
country in sub-areas of NW Atlantic,
with special reference to Melano-
grammus aeglefinus, Gadus callarias,
Sebastes marinus, Placopecten
magellanicus & Merluccius bilinearis.

SJH:sjh

M

ICNAF (1959) 59-5895
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 3, Serial no.600 (B.Meet.f.
2 & 3) Appendix VII
ICNAF mesh regulation operation of
10% annual exemption

SJH:

M

Taylor, C.C., A.C. Jensen 59-5898
& R.R. Stoddard (1959)
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 5, Serial no. 604, (D.Res.
c.2)
Recent variations in haddock growth
(II)

Comparison of growth histories of
1952, & 1931-47 year classes of
Melanogrammus aeglefinus in NW
Atlantic, sub-area 5.

SJH:sjh

M

Poulsen, E.M. (1959) 59-5899
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no.6, Serial no. 605, (H.Var.)
List of papers pertaining to the
Northwest Atlantic

List of references, arranged by
countries.

SJH:sjh

M

Ruivo, M. & 59-5902
G.V. Martin (1959)
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc. no. 9, Serial no. 608, (D.Res.
a./58)
Portuguese research report, 1958

Summary of studies made & results
obtained by this country in sub-
areas of NW Atlantic, with special
reference to Gadus callarias.

SJH:sjh

M

Templeman, W. (1959) 59-5900
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 7, Serial no. 606 (D. Res.
a./58)
Canadian researches, 1958 - I. Subareas
2 and 3

Summary of studies & results by this
country in the sub-area of NW Atlantic,
with special reference to Gadus
callarias, Melanogrammus aeglefinus,
Sebastes spp., Hippoglossoides
platessoides.

SJH:sjh

M

Posgay, J.A. (1959) 59-5903
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.10, Serial no. 609 (D.c.3)
United States sea scallop research
in subarea 5 during 1958

Summary of studies made & results
obtained by this country concerning
the fishery for & biology of
Placopecten magellanicus in this
NW Atlantic sub-area.

SJH:sjh

M

Hansen, P.M. (1959) 59-5901
ICNAF Annu.Meet.1959, Pap. (mimeo)
Proc.no. 8, Serial no. 607, (D.Res.
a./58)
Danish research report, 1958 - A.
Biology

Summary of studies made & results
obtained by this country in sub-areas
of NW Atlantic, with special reference
to Gadus callarias, Greenland halibut,
Sebastes spp.

SJH:sjh

M

Wall, R.C.R. (1959) 59-5904
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no. 11, Serial no. 610 (D.Res.
a./58)
United Kingdom research report, 1958

Summary of studies made & results
obtained by this country in NW
Atlantic sub-areas, with special
reference to Gadus callarias.

SJH:sjh

M

Bückmann, A. & al. (1959) 59-5905
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no. 12, Serial no. 611 (D.Res.
a./58)

German research report, 1958

Summary of studies made & results
obtained by this country in sub-areas
of NW Atlantic, with special reference
to Gadus callarias, Sebastes spp., &
Melanogrammus aeglefinus.

SJH:sjh

M

Bumpus, D.F. (1959) 59-5908
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc. no. 15, Serial no. 614 (D.Res.
a./58)

Addendum to United States research
in the convention area during 1958

Note on hydrographic studies by
this country in NW Atlantic.

SJH:sjh

M

Jean, Y. (1959) 59-5906
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc. no. 13, Serial no. 612 (D.Res.
c.8)

Selection studies on subdivision 4T
cod

Discards & trawl selectivity of Gadus
callarias by Canadian vessels in NW
Atlantic.

SJH:sjh

M

ICNAF (1959) 59-5909
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc.no. 16, Serial no. 615 (A.
a. 4)

ICNAF mesh regulation operation of
10% annual exemption

Summary of US actions in issuance
of certificates, submission of
special statistical returns.

SJH:sjh

M

Lucas, C.E. & 59-5907
G.C. Trout (1959)
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc. no. 14, Serial no. 613 (D.Res.
a./58)

Progress report on trials of top-side
chafers

Preliminary note on experiments to
determine effect of chafing gear on
selectivity of trawls for Gadus
callarias & Melanogrammus aeglefinus
in Barents Sea & at Faroes.

SJH:sjh

M

Dickie, L.M. (1959) 59-5910
ICNAF Annu.Meet.1959, Pap.(mimeo)
Proc. no. 17, Serial no. 616 (D.
c.3)

Relative rate of fishing on small
sea scallops

Relations between catch, cull-size
& landings of Placopecten observed
on Canadian vessels in 1958 in Bay of
Fundy. Mortality rates & discards
& other data relevant to proposed
mesh regulation.

SJH:sjh

M

FAO. Fisheries Division, 59-5911
Biology Branch, B.B. Parrish
& R.S. Keir (1959)
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.18, Serial no. 617 (F.a.)
The measurement of fishing power

A review of this subject: performance,
fishing effort; measurement of fishing
power; summary of some results
obtained, relation of fishing power
to characteristics of vessel & gear.

SJH:sjh

MG

McCracken, F.D. (1959) 59-5914
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.20, Serial no.619 (D.c.2)
Sizes, catches, and landings of
haddock by Canadian otter trawlers
from subdivisions 4V and 4W

Results of research vessel surveys
of Melanogrammus aeglefinus stocks
in 1958-9; relation to samples of
commercial landings.

SJH:sjh

M

Keir, R.S. (1959) 59-5912
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no. 19, Serial no.618 (F.a.)
Report on the ICNAF statistics &
sampling

Summarises progress made in compiling
statistical & sampling data on the
fisheries of the convention area.
In 6 sections. In the 1st sections a
statement of the ICNAF requirements is
followed by a discussion of how they
are met by member countries. The
final section proposes a number of
changes in the form & content of the
statistical submission, designed to

McCracken, F.D. (1959) 59-5915
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.21, Serial no.620 (D.c.8)
Top chafing gear studies

Study of effect of chafing gear
of selectivity of trawl for
Melanogrammus aeglefinus made by
Canadian scientists in 1958 in
subdivision 4W of NW Atlantic.

SJH:sjh

M

59-5912
(Card 2)
reduce the bulk of the data to more
manageable proportions & to help
reduce some of the difficulties &
delays which arise because of it.

SJH:rsk

M

Paloheimo, J.E. (1959) 59-5916
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.23, Serial no.622 (D.c.3)
Summary of observations made in an
analysis of groundfish landings and
effort statistics

Analysis of fishing powers of
Canadian vessels in sub-area 4 of
NW Atlantic.

SJH:sjh

M

Ruivo, M. & 59-5917
 G.Quartin (1959)
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.24, Serial no.623 (D.Res.a/50)
 Portuguese research report, 1958

Continuation of 59-5902, dealing with observations on the cod, Gadus callarias L., in subarea 4 - Gulf of St. Lawrence - during the fishing campaigns 1956-58.

SJH:mr

M

Bratberg, E. (1959) 59-5920
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.27, Serial no.626 (D.Res.a/53)
 Norway. Fisheries investigations in Greenland waters 1958

Reviews studies made & results obtained with special reference to hydrography & to Gadus callarias.

SJH: sjh

M

Rodriguez Martin, O. (1959) 59-5918
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.25, Serial no.624 (D.Res.a/50)
 Spanish researches in 1958

Summary of studies made & results obtained by this country in sub-areas of NW Atlantic, with special reference to Gadus callarias.

SJH:sjh

M

Hansen, P.M. (1959) 59-5921
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.28, Serial no.627 (H.Var.)
 Short review on the halibut fishery of the Greenlanders

Annual production; length-weight relation for the sp., history of the fishery - gear used, men employed, disposal of catches.

SJH:sjh

M

Keir, R.S. (1959) 59-5919
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.26, Serial no.625 (G.b.9)
 Summary of the 1958 statistics on the groundfish fisheries of the convention area

Summary tables giving catches of cod, haddock, redfish, halibut, flounders & other groundfishes by each member country in each sub-area during 1958.

SJH:sjh

M

Hansen, P.M. (1959) 59-5922
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.29, Serial no.628 (D.c.9)
 Survey of the Danish halibut research in subarea 1

Note on larvae, age determinations, tagging.

SJH:sjh

M

Fleming, A.M. (1959) 59-5923
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.30, Serial no.629, (D.c.8)
The longline fishery at Bonavista,
Newfoundland, 1952-1958

Note on this fishery for Gadus
callarias; hydrographic conditions,
size composition of catch, yearly
catches & catches per unit effort.

SJH:sjh

M

Edwards, R.L. & 59-5926
L.M. Lawday (1959)
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.33, Serial no. 632
Industrial fishery

Relative fishing powers of vessels
engaged in this New England fishery.

SJH:sjh

M

May, A.W. (1959) 59-5924
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no. 31, Serial no. 630 (D.c.2)
Cod investigations in subarea 2 -
Labrador, 1950 to 1958

Age determinations, growth rates,
size-compositions, of Gadus callarias
catches.

SJH:sjh

M

Hansen, V. (1959) 59-5927
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no. 34, Serial no. 633 (C.Prog.
a.2)
Remarks on the ICNAF plankton
research program

Proposals for methods & plan of
fish larvae & egg sampling, & fish
food survey.

SJH:sjh

M

Fleming, A.M. & 59-5925
S.J. Olsen (1959)
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.32, Serial no.631 (D.c.2)
Size and age composition of cod from the
fishery on the southwest coast of
Newfoundland during 1957

Contents as per title.

SJH:sjh

M

ICNAF (1959) 59-5928
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no. 35, Serial no. 634, (A.
Admin.C.1)
Collaboration between FAO and ICNAF,
1958/59

Notes reporting action taken by FAO
Fisheries Division in response to
recommendations in the report of the
8th annual meeting of ICNAF & other
aspects of the current work of the
Division of interest to the
Commission.

SJH:sjh

Jónsson, J. & J. Magnusson (1959) 59-5929
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc. no.36, Serial no. 635 (D.Res.
a/58)
Icelandic research report 1958 -1. Cod -
2. Redfish

Summarises studies made & results
obtained by this country in sub-areas
of NW Atlantic with special reference
to Gadus callarias, Sebastes spp.

SJH:sjh

M

McCracken, F.D. (1959) 59-5932
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.39, Serial no.638 (D.c.4)
North Atlantic fish marking symposium
observations from submissions on
tagging publicity methods

A summary of replies to circular
letters on this subject to ICNAF
member countries, with detailed
appendices as follows: "Notes on
tagging, especially publicity and
rewards in the Federal Republic of
Germany", by G. Krefft; "Notice
about the system adopted in Portugal
for the collection and distribution of

Keir, R.S. (1959) 59-5930
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.37, Serial no.636 (D.c.2)
ICNAF cod otolith exchange programme

Summary of exchanges effected, &
comparative table of several age
determinations on each of a number of
otoliths of Gadus callarias from various
parts of NW Atlantic.

SJH:sjh

M

59-5932
(Card 2)
information on tags recovered in the
ICNAF area", by M. Ruivo; "Publicity
information and rewards in the U.S.
ICNAF tagging program", by S.L.
Cogswell; "Notes on tagging", by
P. Hansen; "Note on tagging in the
United Kingdom", by C.E. Lucas &
G. Trout; "Canadian tagging publicity
methods", by F.D. McCracken;
"Information on tagging, Spain", by
M. Sunico.

SJH:sjh

M

Keir, R.S. (1959) 59-5931
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc.no.38, Serial no. 637(D.c.2)
Summary of results from the age
reducing of the 1958-59 ICNAF cod
otolith exchange programme

Preliminary analysis of differences in
age-determinations noted in 59-5930.

SJH:sjh

M

Travin, V. (1959) 59-5934
ICNAF Annu.Meet. 1959, Pap.(mimeo)
Proc. no. 40, Serial no. 639, (D.Res.
a/58)
Soviet investigations in the ICNAF
area, 1958

Summary of studies made & results
obtained by this country in sub-areas
1, 2 & 3, with special reference to
Sebastes mentella, S. marinus & Gadus
callarias; size compositions of
catches by exploratory vessels.

SJH:sjh

M

<p>Cerf, R. (1959) 59-5935 <u>C.R.Acad.Sci., Paris, 248:3536-8</u> Sur l'interférométrie ultrasonore et la détermination du coefficient d'absorption des liquides (On ultrasonic interferometry and the determination of the coefficient of absorption of liquids)</p> <p>Describes method of measurement & general theoretical exploration of results obtained.</p> <p>FAO:sjh G</p>	<p>Codreanu, R. (1959) 59-5938 <u>C.R.Acad.Sci., Paris, 248:3739-41</u> Sur le développement larvaire du rhizocéphale <u>Septosaccus cuenoti</u> <u>Duboscq</u>, parasite du pagure <u>Diogenes</u> <u>pugilator</u> (Roux) de la mer Noire (On the larval development of the rhizocephalan <u>Septosaccus cuenoti</u> <u>Duboscq</u>, parasite on the paguran <u>Diogenes pugilator</u> Roux in the Black Sea)</p> <p>Ill. description. Comparison with related groups.</p> <p>FAO:sjh M</p>
<p>Albe-Fessard, D. & 59-5936 A. Fessard (1959) <u>C.R.Acad.Sci., Paris, 248:3624-6</u> Mise en évidence d'une réponse directe par la stimulation d'organes chez deux espèces de Mormyridés (Evidence for direct response to stimulation of the electric organ in two species of Mormyridae)</p> <p>Reports experiments with <u>Gnathonemus</u> <u>senegalensis</u> & <u>Mormyrus rume</u> from African waters; comparison with <u>Electrophorus electricus</u> (S. America), <u>Astroscopus</u> (Uranoscopidae) & other Torpedinae & Rajidae.</p> <p>FAO:sjh F</p>	<p>Abe, H. & 59-5939 H. Kurata (1957) <u>Hokusuishi Geppo, 14(11):13-29</u> (Preliminary report on the shrimp fishery investigation off Kushiro, Hokkaido). <u>Ni</u></p> <p>FiB: M</p>
<p>Bernard, F. (1959) 59-5937 <u>C.R.Acad.Sci., Paris, 248:3633-5</u> Comparaison de fertilité élémentaire entre les bassins sud-est et sud-ouest de la Méditerranée (Comparison of primary productivity in south-east and south-west basins of the Mediterranean)</p> <p>Reports plankton concentrations as function of depth, obtained by CALYPSO, July 1955, with some data obtained by other vessels at different times.</p> <p>FAO:sjh M</p>	<p>Dobbs, F.W. & 59-5940 F. Perry (1958) <u>Fishk.Wat.Life, 13(14):712-3</u> Lace leaf plants</p> <p>F</p>

Schofield, D. (1958) 59-5941
Fishk. Wat. Life, 13(12):587-8
Aristocrat among aquatic plants
(Aponogeton fenestralis)

F

Hendricks, A.J. (1957) 59-5944
Amer. Midl. Nat., 58(2):470-93
A revision of the genus Alisma (Dill)
L.

F

Wendt, A. (1958) 59-5942
Aquar.-u. Terrar.-Z., 11(8):244-5
Aponogeton fenestralis var. guillotii
(Hochr.) Jum.

F

Lever, J. (1958) 59-5945
Waterweelde, 8(8):161-2
Anubias lanceolata

F

Heinzig, R. (1958) 59-5943
Aquar.-u. Terrar., 5(11):321-2
Eine Unterwasserform des Froschlöffels
(Alisma plantago-aquatica)
(An underwater form of water plantain,
Alisma plantago-aquatica)

F

Mandeville, W.L. (1958) 59-5946
Aquarist, 23(9):198-9
Cultivation of Anubias (A. lanceolata,
A. nana, A. congensis)

F

Hückstedt, G. (1958) 59-5947
Aquar.-u.Terrar.-Z., 11(11):339-41
Experimentelle Pharmakologie des
Süßwassers (III) (Experimental
pharmacology of freshwater (III))

F

Heine, H. (1958) 59-5950
Aquar.-u.Terrar.-Z., 11(10):314-7
Barclaya longifolia Wallich, eine
neueingeführte wertvolle Aquatik
pflanze (Barclaya longifolia
Wallich, a newly introduced precious
water plant)

F

Krone, W. (1958) 59-5948
Waterweelde, 8(9):127-3
Groene alg en druivensuiker. (Green
algae and grape sugar)

F

Mühlberger, C. (1959) 59-5951
Aquar.u.Terrar., 6(1):18-9
Ein schönes Moos für Aquarien
(A new moss for aquarium)

F

Vesters, C. (1958) 59-5949
Waterweelde, 8(6):112-3
Groene alg en druivensuiker (Green
algae and grape sugar)

F

Howes, W.J. (1958) 59-5952
Aquarist, 23(1):16
Flowering rush of the pond side
Butomus.

F

Lever, J. (1958)
Waterweelde, 8(3):44-5
Cardamine lyrata Bunge

59-5953

F

de Wit, H.C.D. (1958)
Fishk.Wat.Life, 13(5):230
Cryptocoryne affinis

59-5956

F

Bertholdt, W. (1958)
Aquarist's J., 29(9):344-5
Cultivating water ferns

59-5954

Ceratopteris.

Wendt, A. (1958) 59-5957
Aquar.u.Terrar., 5(12):364
Der Name Cryptocoryne haerteliana ist
ungültig (C.affinis) (The name
Cryptocoryne haerteliana is not
valid (C. affinis))

F

Reitzig, K. (1958) 59-5955
Aquar.u.Terrar., 5(11):331-2
Beitrag zur Pflege von Cryptocoryne
(Contribution to the growing of
Cryptocoryne)

F

Nieuwenhuizen, A.v.d. (1958) 59-5958
Aquarist, 27(10):302-8
Cryptocoryne ciliata

F

de Wit, H.C.D. (1958) 59-5959
Fishk. Wat. Life, 13(4):188
Cryptocoryne griffithii and its
allies

T

de Wit, H.C.D. (1958) 59-5962
Fishk. Wat. Life, 13(8):392-3
Slow-growing Cryptocoryne species
(C. versteegii)

F

de Wit, H.C.D. (1958) 59-5960
Fishk. Wat. Life, 13(14):710-1
Cryptocoryne longicauda

F

Wendt, A. (1958) 59-5963
Aquar. u. Terrar., 5(6):180-1
Heleocharis vivipara

F

Nieuwenhuizen, A.v.d. (1958) 59-5961
Aquarist, 27(11):344-9
A three year experience with
Cryptocoryne longicauda

F

Laarhoven, J.F. (1958) 59-5964
Waterweelde, 8(5):83-4
De Waterhyacinth Eichhornia crassipes
(The water hyacinth Eichhornia
crassipes)

F

Vesters, C. (1958) 59-5965
Waterweelde, 8(4):64-6
Lysimachia nummularia

F

Wendt, A. (1958) 59-5968
Aquar.u.Terrar., 5(6):180-1
Nomaphila stricta etc.

F

Stettler, P.H. (1959) 59-5966
Aquaria, 6(1):9-11
Ein epiphytischer Farn als 'Wasser-
pflanze' (An epiphytical fern as
'waterplant')

F

Eberle, G. (1958) 59-5969
Natur u.Volk, 88(4):11-116
Frostschaden an den Blättern der
Mummel (Frost damage to the
leaves of the water lily)

F

Wendt, A. (1959) 59-5967
Aquar.u.Terrar., 6(1):15-6
Ein neuer Farn als aquatische
Pflanze (A new fern as aquatic
plant)

F

Brünner, G. (1958) 59-5970
Dtsch.Aquar.-Z., 11(9):281-2
Einige Bemerkungen über die Wasser-
banane (Some observations on the
'Wasserbanane')

F

Vesters, C. (1958)
Waterweelde, 8(3):45-6
Sagittaria sinensis

59-5971

F

Schulz, B. (1958) 59-5974
Aquar.u.Terrar., 5(6):181-2
Bemerkenswertes aus der Entdeckungsgeschichte der Victoria amazonica
(Some notes on the discovery of Victoria amazonica)

F

Lever, J. (1958)
Waterweelde, 8(6):104
Salvinia auriculata

59-5972

F

Greenberg, A. (1957) 59-5975
Aquarist, 26(2):58-61
The effect of temperature on aquatic plants

F

Lever, J. (1958)
Waterweelde, 8(5):84-5
Utricularia-Blaasjeskruid
(Utricularia-bladder-wort)

59-5973

F

Kraft, H. (1959) 59-5976
Aquar.u.Terrar., 6(1):16
Ein Fortschritt in der Meeres-aquaristik: die Alge Caulerpa prolifera (A progress in sea aquaristics: the algae Caulerpa prolifera)

M

Kroon, J.H. (1958) 59-5977
De Kor, 9(11):137-50
Caulerpa prolifera en C. ollevieri,
nieuwe zeewateraq.pl.
(Caulerpa prolifera and C. ollevieri,
two new seawater plants)

M

van Ramshorst, J.D. (1959) 59-5980
Bull.aquat.Biol., spec.no.(2)
List of references on aquatic plants
and allied subjects

Supplement to 1st list issued July
1958, 59-2376. Gives about 70
references to papers in systematic
order, with special section on marine
plants, & books & general articles.

FAO:sjh

MF

Wendt, A. (1958) 59-5978
Aquar.-u.Terrar.-Z., 11(9):285-6
Caulerpa prolifera (Forskal)
Lamcureux

M

Olsson, R. (1958) 59-5981
Akvariet, 1958(8):118-23
Vattenväxternas byggnad
(The growth of water plants)

F

Wendt, A. (1959) 59-5979
Aquar.u.Terrar., 6(1):17-8
Caulerpa prolifera, eine
empfehlenswerte Alge für das
Mittelmeer-aquarium (Caulerpa
prolifera, an algae recommended for
the Mediterranean-aquarium)

M

Paul, A.R. (1957) 59-5982
Thesis, Univ. of Reading, U.K.
Observations on variations in some
species of sponges in the Haplo-
scleridae and Desmacidonidae

M

Schwitzer, J. (1958) 59-5983
Thesis, Univ. of Reading, U.K.
A survey of certain fauna in some
littoral zones in Langstone and
Chichester harbours

M

Loomis, W.F. (1959) 59-5986
Sci.Amer., 200(4):145-56
The sex gas of Hydra

Popular account of experiments to
determine the role of environmental
factors in induction of sexual
reproduction.

FAO:glk

II

Deshpande, R.D. (1957) 59-5984
Thesis, Univ. of Reading, U.K.
Observations on the anatomy and
ecology of British trochids

F

Croghan, P.C. (1958) 59-5987
J.exp.Biol., 35(2):425-36
Ionic fluxes in Artemia salina (L.)

MF

Hancock, D.A. (1957) 59-5985
Thesis, Univ. of Reading, U.K.
Studies on the biology and ecology of
certain marine invertebrates, with
particular reference to those
associated with oyster culture

F

Croghan, P.C. (1958) 59-5988
J.exp.Biol., 35(1):234-42
The mechanism of osmotic regulation
in Artemia salina (L.): the
physiology of the branchiae

MF

Wunder, W. (1957) 59-5989
Allg.FischZtg., 82:330-1
 Die Bekämpfung unerwünschter Teich-
 pflanzen mit chemischen Mitteln -
 Versuche mit Nata und Ugex
 (Control of undesirable pond plants by
 chemical treatments - Experiments
 with Nata and Ugex)

Reports account of experiments &
 reviews the subject.

FAO:dr

F

Deutschen Wetter 59-5992
 Wetterdienstes (1959)
 Offenbach a.M., 72 p.
Jahresberichte des Deutschen
Wetterdienstes no. 6, 1958
 (Annual report of German Weather
 Service no. 6, 1958)

Contains also review of synoptic &
 climatological services &
 investigations in maritime meteorology.

FAO:tl

M

Wunder, W. (1957) 59-5990
Allg.FischZtg., 82:348-50
 Die Bekämpfung unerwünschter Teich-
 pflanzen mit chemischen Mitteln -
 Versuche mit Nata und Ugex
 (Control of undesirable pond plants by
 chemical treatments - Experiments with
 Nata and Ugex)

Reports account of experiments &
 reviews the subject.

FAO:dr

F

Inland Fisheries Trust 59-5993
 Incorporated (1957)
 Dublin, 23 p.
 Memorandum and articles of association
 of the Inland Fisheries Trust
 Incorporated

Contents as per title.

FiB:

F

Richter, W. (1957) 59-5991
Allg.FischZtg., 82:381-5
 Der Zander und seine künstliche
 Vermehrung (The pike-perch and
 its artificial reproduction)

 Notes on general biology of Lucioperca
lucioperca, with description of Russian
 method & equipment for artificial
 reproduction.

FAO:dr

F

Berner, L. (1959) 59-5994
Bull.Fla St.Mus., 4(1):58 p.
 A tabular summary of the biology of
 North American mayfly nymphs
 (Ephemeroptera)

Summary of the biology of immature
 spp. of mayflies covering
 characteristics, habitat & habits
 of the nymphs, life history &
 taxonomy.

FAO:hr

F

Wisner, R.L. (1959) 59-5995
Copeia, 1959(1):1-7
 Distribution and differentiation of the
 North Pacific myctophid fish,
Tarletonbeania taylori

A study of series of specimens from
 the northwestern & northeastern Pacific
 with particular reference to meristic
 variation showed highly significant
 differences between the 2 populations
 indicating that the northeastern form
 comprises an isolated population
 chiefly confined to the Alaskan gyral
 & largely uncontaminated by

Parker, R.A. & 59-5998
 A.D. Hasler (1959)
Copeia, 1959(1):11-8
 Movements of some displaced
 Centrarchids

An analysis of summer distribution of
 marked & displaced Micropterus
salmoides, Lepomis macrochirus & L.
gibbosus to ascertain & evaluate
 factors influencing the rate of
 return to sites of capture after
 displacement, the mechanisms involved,
 & the effect of nonrandom movement
 on Petersen type population
 estimates.

HR:hr F

59-5995
 (Card 2)
 recruitment from the west or by
 hybridization with its congener T.
crenularis from the south.

HR:hr M

Williams, G.C. (1959) 59-5999
Copeia, 1959(1):18-24
 Ovary weights of darters: a test of
 the alleged association of parental
 care with reduced fecundity in fishes

Observations on Etheostoma nigrum,
E. flabellare, egg guarding spp., &
E. caeruleum & E. spectabile non egg
 protecting spp., showed that the 2
 first had greater relative ovary
 weights than the 2 last ones which
 desert their eggs.

HR:hr F

Suttkus, R.D. (1959) 59-5997
Copeia, 1959(1):7-11
Notropis uranoscopus, a new cyprinid
 fish from the Alabama river system

A diagnosis & description with notes on
 habitat & habits of the sp. which is
 compared with its closely related form
N. stramineus.

HR:hr F

Haven, D.S. (1959) 59-6000
Copeia, 1959(1):29-30
 Migration of the croaker, Micropogon
undulatus

Petersen disc tags & internal belly
 tags were used to tag croakers in
 Chesapeake Bay & North Carolina. Tag
 recoveries indicate movement of
 croakers up the estuaries & up the
 Bay during spring, limited random
 movements in summer, & an oceanward
 migration in fall. In 1950 the sport
 fishery captured almost as many tagged
 croakers as the haul seine fishery
 indicating that the sport fishery must
 be very large.

HR:hr MF

Springer, S. (1959) 59-6001

Copeia, 1959(1):30-3

A new shark of the family Squalidae from the Carolina continental slope

A diagnosis & taxonomic description of Deania elegans sp.nov. caught in an otter trawl off Cape Fear, North Carolina, in 200 fathoms.

HR:hr

M

Bali, J.B. &

59-6004

C.E. Bond (1959)

Copeia, 1959(1):74-6

The bigfin eelpour, Aprodon cortezianus Gilbert, common in waters off Oregon

Gives records of the sp. by localities & morphometric & meristic measurements & counts.

HR:hr

M

Svihla, A. (1959)

59-6002

Copeia, 1959(1):72

A simple method of collecting Ascaphus truei tadpoles

HR:

F

Bright, D.B. (1959)

59-6005

Copeia, 1959(1):76-7

The occurrence and food of the sleeper shark, Somniosus pacificus, in a central Alaska bay

HR:

M

Daiber, F.C. (1959)

59-6003

Copeia, 1959(1):74

An observation on the deep-sea electric ray

HR:

M

Kilby, J.D., E. Crittenden 59-6006

& L.E. Williams (1959)

Copeia, 1959(1):77-8

Several fishes new to Florida freshwaters

Appearance records of Micropterus coosae, Lepomis cyanellus, L. humilis, Pomoxis annularis, Perca flavescens, Roccus chrysops & Acipenser brevirostris.

HR:hr

F

Bayliff, W.H. (1959) 59-6007
Copeia, 1959(1):78-80
 Notes on the taxonomy and distribution
 of certain zoarcid fishes in the
 northeastern Pacific

An attempt to clear up some confusion
 in the taxonomy, records & ranges of
 10 spp. of Zoarcidae of the genera
Lycodes, Lycodopsis, Lycenchelys,
Embryx, Bothrocara & Lycodapus
 occurring between southern Oregon & the
 Aleutian islands.

HR:hr

M

American Fisheries Society (1958) 59-6010
Trans.Amer.Fish.Soc., (87):532 p.

Lists officers & members; papers of
 symposia; reports of officers &
 committees - international relations,
 national-state relations, editorial
 board, hydrobiology & fish culture,
 commercial fisheries, water pollution
 & finance - ; constitution & by-laws
 of the society. Incl. 59-6011 to
 59-6055. Annual index.

HR:sjh

MF

Hubbs, C. & 59-6008
 G.E. Drewry (1959)
Copeia, 1959(1):80-1
 Artificial production of an inter-
 generic atherinid fish hybrid

Contains the results of hybridization
 of Menidia beryllina & Membras
martinica.

HR:hr

M

Donaldson, L.R. & 59-6011
 G.H. Allen (1958)
Trans.Amer.Fish.Soc., (87):13-22
 Return of silver salmon, Oncorhynchus
kisutch (Walbaum) to point of
 release

Experiments in which marked
 fingerlings were released in
 Washington State; none returned to
 native stream, but instead returned
 to their rearing ponds & to the
 point of release.

HR:sjh

MF

Walters, V. (1959) 59-6009
Copeia, 1959(1):82
 Provisional keys to the fishes of
 Alaska

Shields, J.T. (1958) 59-6012
Trans.Amer.Fish.Soc., (87):23-33
 Experimental control of carp
 reproduction through water drawdowns
 in Fort Randall reservoir, South
 Dakota

Eggs of Cyprinus carpio killed by
 exposure, & reduction of resulting
 year-classes verified.

HR:

MF

HR:sjh

F

Bell, R. (1958) 59-6013
Trans.Amer.Fish.Soc., (87):33
Cui-ui in Pyramid lake, Nevada

Short note on Indian fishery for the
catastomid Chasmistes cujus.

HR:sjh.

F

Olson, D.E. (1958) 59-6016
Trans.Amer.Fish.Soc., (87):52-72
Statistics of a walleye sport fishery
in a Minnesota lake

Population dynamics, growth, catches
by angling for Stizostedion v.vitreum
in Many Point Lake.

HR:sjh

F

Carlander, K.D. (1958) 59-6014
Trans.Amer.Fish.Soc., (87):34-8
Disturbance of the predator-prey
balance as a management technique

Exceptional harvest of Stizostedion
vitreum in Clear lake, Iowa, in 1951 is
perhaps explained by reproductive
failure of Perca flavescens in 1950 &
by elimination of young yellow bass,
Morone interrupta, through predation.
Stocking of Esox lucius in 1953
increased the weight of the predator
population.

HR:kdc

F

Beeton, A.M. (1958) 59-6017
Trans.Amer.Fish.Soc., (87):73-9
Relationship between Secchi disc
readings and light penetration in lake
Huron

57 paired photometer & Secchi disc
measurements made at 18 stations
support view that a counter-clockwise
current usually occurs in the bay with
more transparent lake Huron water
flowing in along the northwest shore
& less transparent bay water flowing
out along the southeast shore.
Discrepancies in relationship of disc
readings to transmission of surface

Henderson, C. & 59-6015
Q.H. Pickering (1958)
Trans.Amer.Fish.Soc., (87):39-51
Toxicity of organic phosphorus
insecticides to fish

Bioassays with 10 compounds; effects
on fathead minnows & bluegills. No
relation of toxicity to chemical
structure, or correlation with effects
on insects & mammals.

HR:sjh

F

59-6017
(Card 2)
light are related to the condition
of the sky & sea explained on the
basis of the spectral sensitivity
of the human eye & its response to
surface glare.

HR:amb

F

Kutkuhn, J.H. (1958) 59-6019
Trans.Amer.Fish.Soc., (87):80-103
Utilization of plankton by juvenile
gizzard shad in a shallow prairie lake

Investigations of ecology of Dorosoma
cepedianum in North Twin lake, Iowa,
1954 & 1955. Gut contents compared
with available food, & diet of other
fishes.

HR:sjh

F

Purkett, C.A., Jr. (1958) 59-6022
Trans.Amer.Fish.Soc., (87):116-31
Growth of the fishes in the Salt
river, Missouri

Data for Cyprinus, Aplodinotus,
Ictiobus, Lepomis, Catostomus, Doroso-
ma, Carpionides, Pilodictis, Pomoxis,
Ictalurus & Moxistoma spp. Discussion
of minimum legal lengths.

HR:sjh

MF

Sykes, J.E. (1958) 59-6020
Trans.Amer.Fish.Soc., (87):104-7
A method of determining the sex of the
striped bass, Roccus saxatilis
(Walbaum)

Describes method using serrated-jaw
ear forceps to extract gonads of dead
fish on market without damaging them
& affecting market value.

HR:sjh

Ellis, C.H. (1958) 59-6023
Trans.Amer.Fish.Soc., (87):132-8
Rearing methods and the return of
fall-migrating chinook salmon

Homing of Oncorhynchus tshawytscha
determined by marking fish released
in Samish river, Washington.

HR:sjh

MF

Grice, F. (1958) 59-6021
Trans.Amer.Fish.Soc., (87):108-15
Effect of removal of panfish and
trashfish by fyke nets upon fish
populations of some Massachusetts'
ponds

Experiments 1951-56 showed changes in
growth rates, but not in spp.
composition.

HR:sjh

F

LaPointe, D.F. (1958) 59-6024
Trans.Amer.Fish.Soc., (87):139-50
Age and growth of the American shad,
from three Atlantic coast rivers

Comparisons of results for Florida,
N. Carolina & Maryland rivers.
Spawning marks are discussed.

HR:sjh

MF

Eisler, R. (1958) 59-6025
Trans.Amer.Fish.Soc., (87):151-62
Some effects of artificial light on
salmon eggs and larvae

Eggs & resulting larvae of Oncorhynchus
tshawytscha were exposed continuously
to several intensities of fluorescent
light for a period extending from 24
hours after fertilization through
absorption of the yolk-sac. Eggs of O.
kisutch were similarly treated.

HR:re

MF

Horton, H.F. & 59-6028
R.L. Borovicka (1958)
Trans.Amer.Fish.Soc., (87) 102-9
Oregon's aerial fish-planting
program

Equipment is described whereby aerial
planting in high mountain lakes can
be done by two men. Results of
experiments with aeration equipment,
costs of operation & a brief survey
of the literature are presented.
Tests with Salvelinus fontinalis &
Salmo gairdneri.

HR:hfh

F

Wales, J.H. & 59-6026
J.P. Lane (1958)
Trans.Amer.Fish.Soc., (87):163-71
Public opinion analysis in trout
fishery management

An angler opinion survey was begun at
Castle lake, California, during summer
1957. Anglers were asked standardized
questions to determine how opinions of
trout fishermen about spp., minimum
acceptable size, & size-number balance
could best be obtained.

HR:jhw

F

Roelofs, E.W. (1958) 59-6029
Trans.Amer.Fish.Soc., (87):190-9
Age and growth of whitefish, Coregonus
clupeaformis (Mitchill), in Big Bay
de Noc and northern lake Michigan

Age composition & growth in 1949-50
indicate that the 2 populations are
separate.

HR:sjh

F

Buss, K. & 59-6027
J.E. Wright (1958)
Trans.Amer.Fish.Soc., (87):172-81
Appearance and fertility of trout
hybrids

Mature hybrids among Salvelinus
fontinalis, Salmo trutta & S. gairdneri
& Salvelinus namaycush involving
reciprocal crosses, backcrosses &
three-way crosses were utilized to
test fertility & to present photo-
graphic records of external
characteristics.

HR:kb

F

Ball, O.P. (1958) 59-6030
Trans.Amer.Fish.Soc., (87):200-6
Management of sport fishing in San
Diego's program of multiple use of
water-supply reservoirs

Describes program of the San Diego
Water Department.

HR:sjl

F

Allen, G.H. (1958) 59-6031
Trans.Amer.Fish.Soc., (87):207-19
 Survival through hatching of eggs from
 silver salmon (Oncorhynchus kisutch)

Parent to parent differences in
 mortality of off-spring in hatcheries
 appears more related to the female
 than to the male parent, demonstrated
 by controlled & replicated crossing.

HP:sjh

MF

Patriarche, M.H. & 59-6034
 R.S. Campbell (1958)
Trans.Amer.Fish.Soc., (87):240-58
 The development of the fish
 population in a new flood-control
 reservoir in Missouri, 1948 to 1954

Growth, age compositions, spawning
 of many spp. of crappies, basses,
 sunfishes, suckers, gizzard shad,
 carp, catfish, bullheads.

HR:sjh

F

Gerking, S.D. (1958) 59-6032
Trans.Amer.Fish.Soc., (87):220-8
 The survival of fin-clipped and latex-
 injected redear sunfish

Lepomis microlophus were marked by
 latex injection & by fin-clipping in
 Wyland lake, Indiana, to determine
 immediate & delayed effects of these
 techniques on survival. A variety of
 fin-clips were used & latex was
 injected subdermally with a hypodermic
 syringe in the occiput region &
 posterior dorsal region.

HR:sdg

F

Loftus, K.H. (1958) 59-6035
Trans.Amer.Fish.Soc., (87):259-77
 Studies on river-spawning populations
 of lake trout in eastern Lake
 Superior

Tagging study of Salvelinus namaycush
 population; movements, mortality,
 sizes at maturity, scars of
Petromyzon marinus attacks.

HR:sjh

F

Saila, S.B. (1958) 59-6033
Trans.Amer.Fish.Soc., (87):229-39
 Size limits in largemouth black bass
 management

A reanalysis of pertinent data on
 survival, natural mortality rates &
 rates of exploitation for Micropterus
salmoides. It is demonstrated that size
 limit effective one year after the
 minimum size at which capture is
 practicable will eventually assure a
 greater number of large fish in the
 catch than is possible without a size
 limit under the conditions observed
 to date.

HR:sbs

F

Whiteleather, R.T. (1958) 59-6036
Trans.Amer.Fish.Soc., (87):281
 Symposium on commercial fisheries -
 Introduction

Introduction to symposium subtitled
 "Future crisis in commercial fishing
 production". (Contributed papers are
 59-6037 to 59-6055.

HR:sjh

MF

Idyll, C.P. (1958) 59-6037
Trans.Amer.Fish.Soc., (87):282-92
Contribution of biology and
oceanography to increased harvest of
marine fishes

A general review, mentioning hatching
& rearing young, control or
encouragement of fishing effort,
relation of oceanographic conditions
to fish abundance, distribution, &
patterns of behaviour; abundance
predictions.

HR:sjh

F

Powell, D.E. (1958) 59-6040
Trans.Amer.Fish.Soc., (87):309-15
The role of exploration and gear
research in the future expansion of
our commercial fisheries

The possibilities-expansion of
present grounds, discovery of new
grounds, diversification of present
fishing, gear improvement, fish
detection & location; mid-water
trawling, electrical fishing; future
research.

HR:sjh

M

Stern, J.A. (1958) 59-6038
Trans.Amer.Fish.Soc., (87):293-8
Influence of technological advancements
on utilization of fisheries in the
future

A short general review dealing mainly
with improvements in handling & fish
processing.

HR:sjh

MG

Kimsey, J.B. (1958) 59-6041
Trans.Amer.Fish.Soc., (87):319-32
Fisheries problems in impounded
waters of California and the lower
Colorado river

Contribution to symposium on
Reservoir Management. A general
review of possibilities of stock
utilization & formation.

HR:sjh

F

Riggs, C.D. (1958) 59-6039
Trans.Amer.Fish.Soc., (87):299-308
Unexploited potentials of our
fresh-water commercial fisheries

Reservoirs, farm ponds, rice fields;
fish farming generally; problems of
utilization, mortality, improved
harvesting, legislation & public
relations in U.S.

HR:sjh

F

Parsons, J.W. (1958) 59-6042
Trans.Amer.Fish.Soc., (87):333-55
Fishery management problems and
possibilities on large southeastern
reservoirs

Contribution to symposium on
Reservoir Management. A general
review of possibilities of stock
utilization & formation.

HR:sjh

F

Shields, J.T. (1958) 59-6043
Trans.Amer.Fish.Soc., (87):356-62
Fish management problems of large
impoundments on the Missouri river

Contribution to symposium on
Reservoir Management. A general
review of possibilities of stock
utilization & formation.

HR sjh

F

Rucker, R.R. (1958) 59-6046
Trans.Amer.Fish.Soc., (87):374-9
Some problems of private trout
hatchery operators

Disease, nutritional, & environmental
problems in commercial production of
trout are discussed, incl. mortality
& age of spawners, copepod & gyro-
dactilid infections, suitable water
temperatures, diseases - especially
red mouth & back peel - & inspection
of fish.

HR:rrr

F

Greene, A.F.C. (1958) 59-6044
Trans.Amer.Fish.Soc., (87):365-7
Some state problems associated with
the commercial trout industry

Responsibilities of state agencies in
U.S., their cooperation with industry;
control of fish distribution.

HR:sjh

M

Snieszko, S.F. (1958) 59-6047
Trans.Amer.Fish.Soc., (87):380-5
Suggestions for reduction of natural
mortality in fish populations

Some suggestions are given, based
largely on experience with disease
control in hatcheries & fish farms,
for minimizing natural mortality of
fish from infectious diseases.
Particular reference to brook trout
& infection by fungus Candida
albicans & septicaemia caused by
Aeromonas liquefaciens.

HR:sjh

F

Belcher, D.D. (1958) 59-6045
Trans.Amer.Fish.Soc., (87):368-73
Problems in commercial trout
production

Problems in U.S. concern size of
enterprise, finances, efficiency of
operation, competition within the
industry, research, labor & management.

HR:sjh

F

Tanner, H.A. (1958) 59-6048
Trans.Amer.Fish.Soc., (87):386-91
Place of game and fish in multiple
use of watersheds

A general essay, reference to U.S.
conditions.

HR sjh

F

Packer, P.E. (1958) 59-6040
Trans.Amer.Fish.Soc., (87):392-7
Management of forest watersheds and
improvement of fish habitat

Reviews situation in western U.S.
concerning watershed protection &
water-yield improvement problems.

HR:sjh

Starcud, R.H. (1958) 59-6052
Trans.Amer.Fish.Soc., (87):420-9
Reports of standing committees -
Committee on national-state relations

Contents as per title.

HR:sjh

MF

Carter, B.T. (1958) 59-6050
Trans.Amer.Fish.Soc., (87) 390-400
The states and federal aid in
fisheries

A short note on the accomplishments
of the Federal Aid Program in U.S.
(Dingell-Johnson Act).

HR:sjh

MF

Larkin, P.A. (1958) 59-6053
Trans.Amer.Fish.Soc., (87):430-41
Reports of standing committees -
Committee on hydrobiology and fish
culture

Incl. section on progress in water
fertilization (by N.G. Benson),
fish culture (R.I. Stevens), fish-
ways (W.H. Everhardt), fish diseases
(D.R. Rucker), rearing Megastomatobus,
Ictalurus & Ictalurus spp. (J.H.
Stevenson).

HR:sjh

MF

Carbine, W.F. (1958) 59-6051
Trans.Amer.Fish.Soc., (87):416-25
Reports of standing committees -
Committee on international relations

Contents as per title.

HR:sjh

MF

Whiteleather, R.T. (1958) 59-6054
Trans.Amer.Fish.Soc., (87):442-6
Reports of standing committees -
Committee on commercial fisheries

Contents as per title.

HR:sjh

MF

Doudoroff, P. (1958) 59-6055
Trans.Amer.Fish.Soc., (87):446-9
Reports of standing committees -
Committee on water pollution

Contents as per title.

HP:sjh

F

IPFC (1958) 59-6058
IPFC 8th Sess.Pap.(mimeo)Summ.Rep.
Summary report of the seventh session
Indo- Pacific Fisheries Council
Bandung, Indonesia, May 13-27, 1957

Agenda, addresses, plenary record
resolutions of council & its
committees; lists of delegates,
officers, committee members, of
publications & documents.

SJH:sjh

MF

IPFC (1958) 59-6056
Colombo, Ceylon,
Indo Pacific Fisheries Council 8th
session papers (mimeo)

Incl. working papers, technical
papers, symposium papers, incidental
papers, minutes, summary reports, some
occasional papers distributed at the
meeting.

SJH:sjh

MF

de Zylva, E.R.A. (1958) 59-6059
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
CP 28

The progress of mechanization of
fishing craft and the use of
improved gear in Ceylon

Advance text of a paper in press.

SJH:sjh

M

IPFC (1958) 59-6057
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 6 - Rev. 1

Report of technical committee II -
Part A. (Period between the 7th and
8th sessions of the council)

SJH:

MF

Unar, M. (1958) 59-6060
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
CP 24

Some experiments on tuna fishing with
a new method in the Indonesian waters

Extract of a paper published
elsewhere in Indonesia.

SJH:sjh

M

Soekarno, R. (1958) 59-6061
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

20

The function and significance of fish-culture in relation to the regional/village economy

Surveys the situation in Indonesia.

SJH:sjh

F

Soesanto, V. & 59-6064
W. Soebany (1958)

IPFC 8th Sess. Pap. (mimeo), IPFC/C58/
CP 10

Craft and gear utilized in the Rastrelliger fisheries

Refers to Indonesian fishery.

SJH:sjh

M

Soekarno, R. (1958) 59-6062
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

19

Fish production and fish trade with special reference to the areas of Bandjar and Hulu Sungai (South Kalimantan)

A general review.

SJH:sjh

MF

Soesanto, V. (1958) 59-6065
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/

CP 11

Rastrelliger landings 1954 - 1957

Refers to Indonesian fishery.

SJH:sjh

M

Pahari, R. (1958) 59-6063
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

18

Fish production and consumption in West Java

A general review.

SJH:sjh

MF

Schuurman, J.J. (1958) 59-6066
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/

TP 1

The value of filamentous algae for the growth of Chanos chanos (Forsk)

A translation of Indonesian J. nat. Sci. 112:65-9, 1956.

SJH:sjh

MF

Takayama, S. (1958) 59-6067
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 8

Fishing efficiency of otter trawl
aided with a kite

Model experiments we conducted at a
laboratory tank for years resulted in
materialization of a kite to be
reported here. After successful field
tests in Tokyo bay by the R.V. TENYO
FARU (240 G.T.) of the Tokai Regional
Fisheries Research Laboratory, the
kite has been in commercial use in the
East China & Yellow Seas since
February 1957.

SJH:st

59-6069
(Card 2)
vectors in Indonesia; App. B.: List
of malaria vectors in the IPFC region.
App. C.: List of literatures.

SJH:sjh

Soong, M.K. & 59-6068
A.B.O. Merican (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 21

The use of endrin as a piscicide in
mining pools and fish ponds in Malaya

Experiments demonstrate toxicity to
Ophiocephalus striatus, in comparison
with other piscicides. Application
to pools containing Cyclocheilichthys
Osteocheilus spp.

SJH:sjh

F

Djajadiredja, R.R. & 59-6071
R. Amidjaja (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 19

Some observations on Chanos culture
in fresh water

Describes mixed culture in Indonesian
ponds of C. chanos & Puntius
javanicus & other spp., fertilization
by sewage, food eaten, yields
obtained.

SJH:sjh

MF

Wiraatmadja, G. & 59-6069
R. Djamhur (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 20

Relation between fish culture in
rice fields and malaria

A review of knowledge under headings:
Malaria vectors & their breeding
habitats; Anopheles aconitus, most
dangerous epidemic vector in rice
fields areas; Experiences & observation
observations concerning A. aconitus
in 2 former malaria epidemic areas.
Appendix A.: Synopsis of malaria

Tjiptoaminoto, R.M. & 59-6072
M. Sachlan (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 18

The transportation of Chanos
fingerlings and their mortality

Describes methods used in Indonesia.

SJH:sjh

MF

Djadjadiredja, R.R. (1958) 59-6073
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 16

Preliminary report on transportation of Chanos fingerlings with aerating system

Results of mortality experiments with fish in different water volumes.

SJH:sjh

MF

Sivalingam, S. (1958) 59-6074
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 13

General features and productivity of the Wadge bank

Bionomics of the fisheries; catches & abundance, diurnal catch changes, migrations.

SJH:sjh

Koostedjo, R. & Achjat (1958) 59-6074
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 15

Some statistical data on fisheries in Indonesia

Consists of some statistical data on the quantity & value of the commercial catch of both the sea & inland fisheries' production & their value, the operating units & fishermen engaged in the fisheries.

SJH:sjh

MF

Unar, M. & M. Sachlan (1958) 59-6077
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 10

Common economic and commercial fishes of Indonesia

Lists, in systematic order, spp. & their common names, with short description, & habitat notes.

SJH:sjh

MF

Ahmad, N. (1958) 59-6075
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 14

Reclamation of derelict water areas in East Pakistan

A summary of activities & progress made.

SJH:sjh

F

Pathansali, D. & S.M. Kong (1958) 59-6076
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 5

Some aspects of cockle (Anadara granosa L.) culture in Malaya

Culture was introduced in 1948. Relevant biological aspects such as habitat, breeding & growth are touched on. The fishery from the time of gathering of spat to the collection of cockles for market is described. Estimate of yearly production & the economics of the industry; food value is compared with that of other shell-

59-6078
(Card 2)
fish & beef & indicates that it is
a source of protein food.

Nghi, N.N. (1958) 59-6082
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 24
Contribution à l'étude du nuco-man
condensé au Vietnam (Contribution
to the study of "Condensed nuco-man"
in Vietnam)

Lusyne, P.A. (1958) 59-6080
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 26
Considerations on fishermen's
training

Tran-Van-Tri (1958) 59-6083
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 23
The motorisation of fishing craft at
Viet-Nam

Kristjonsson, H. (1958) 59-6081
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 25
Underwater electric lamps for light
fishing

Teshima, K. (1958) 59-6084
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
TECH 22
Fisheries finance in Japan

Soejarwidodo (1958) 59-6085
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 17

Preliminary experimentation on the use
of coconut oil in canned fish and the
suitability of processing methods

SJH:x

Suriyong, K. & al. (1958) 59-6088
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 9

Notes on fisheries technological
research in Thailand

SJH:x

Gunasekera, C. (1958) 59-6086
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 12

Utilization of fish liver residues

SJH:x

Sulit, J.I. & 59-6089
S.V. Laron (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 7

Studies on the processing and storage
of dried split-salted bisugo (Nemi-
pterus spp.)

SJH:x

Bisalyaputra, U. & 59-6087
K. Suriyong (1958)
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 11

Notes on tests in Thailand on the
acceptability of good quality fish meal
for human consumption

SJH:x

Sulit, J.I., D.L. Calvez 59-6087
& F.R. Gonzales (1958)
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 6

Preparation of dehydrated fish meat

SJH:x

Lafont, R. (1958) 59-6091
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 4

Note sur la preparation de farine de poisson à partir des residus provenant de la fabrication des graisses de poissons d'eau douce du Cambodge: utilisation directe dans l'alimentation des volailles de la farine non deshuilée (Note on the preparation of fish meal from residues of the manufacture of fats from fresh water fishes of Cambodia: utilization of this fish meal before oil extraction for chicken feeding)

SJH:x

Miyamoto, H. & 59-6094
A.T. Shariff (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 1

Experiments on fishing net preservation

SJH:x

Hardjohutomo, H. (1958) 59-6092
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 3

Lowering the solidification point of coconut oil

SJH:x

IPFC (1958) 59-6095
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

WP 6

Report of technical committee II for the period between the 7th and 8th sessions of the council (as at 30 September 1958)

SJH:

MF

Scott, J.S. (1958) 59-6093
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 2

Storage of dried fish

SJH:x

Nielsen, E.Steemann (1958) 59-6096
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

WP 7

Communication concerning a central agency for ¹⁴C determination (measurements of primary production in the sea) at Charlottenlund Slot, Denmark

SJH

M

IPFC (1958) 59-6097
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 8

Report on the status of the industry

A review, by counting, for the Indo-Pacific area, with list of recent publications.

SJH:ajh

MF

IPFC (1958) 59-6100
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 13

Projects and proposals related to the Indo-Pacific region

SJH:

M

IPFC (1958) 59-6098
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 11

Report of the executive committee

SJH:

MF

FAO. Fisheries Division 59-6101
Economics Branch (1958)
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 14

FAO Indo-Pacific training centre in fishery statistics

SJH:

MF

IPFC (1958) 59-6101
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 12

Indo-Pacific fisheries year

SJH:

MF

IPFC (1958) 59-6102
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 15

Report of the Sub-committee on fish marketing - Review of government fish marketing activities in the Indo-Pacific region

SJH:

MF

IPFC (1958) 59-6103
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 18

Record of exchanges made by technical committee I in the inter-sessional period since the seventh session of the council with regard to the subjects under discussion at the seventh session

SJH:

MF

IPFC (1958) 59-6106
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 23

Symposium: improved types of fishing from small mechanised boats

SJH:

M

IPFC (1958) 59-6104
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 19

Questionnaire on edible molluscs

SJH:

MF

IPFC (1958) 59-6107
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 24

Report of the chairman of the working group on fishculture in rice fields

SJH:

F

IPFC (1958) 59-6105
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 20

FAO fisheries activities in the region

SJH:

MF

Schuster, W.H. (1958) 59-6108
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/
WP 25

Synopsis of biological data on milkfish Chanos chanos (Forsk.) 1775

1st draft summary & review according to standard pattern of information accumulated in Species & Stock Thesaurus of FAO Fish.Div., Biology Branch. See also 585782.

SJH:sjh

MF

IPFC (1958) 59-6109
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

WP 26

Report of the work of the Hilsa sub-committee during the period after the 7th session of the Indo-Pacific Fisheries Council

SJH:

MF

Henderson, C.R. & al. (1959) 59-6112
Biometrics, 15:192-218

The estimation of environmental and genetic trends from records subject to culling

2 methods for separation of genetic & environmental time trends are presented & compared. The reason the classical approach to this problem yields biased estimates is described in standard terminology. 1st method is ill. with a numerical example & partial examination of a set of data is used to ill. some of the assumptions & the estimation of parameters.

FAO:crh

G

FAO. Fisheries Division (1958) 59-6110
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

WP 27

Note on the present position regarding the development of a surf going beach landing fishing boat in India

SJH:

M

Baltus, E. (1959) 59-6113
Biochim.biophys.Acta, 33:337-9

Evolution de l'aldolase dans les fragments anucléés d'Acetabularia (Evolution of aldolase in enucleated fragments of Acetabularia). En

Measurements of aldolase activity in enucleated fragments of A. mediterranea have shown that this enzyme can be synthesized in the cytoplasm of the algae in the absence of the nucleus.

FAO:eb

M

Miyamoto, H. (1958) 59-6111
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

WP 53

The organization of the central fisheries technological research station, Cochin, India and outline of the programme of work in the station

SJH:

M

Heydorn, A.E.F. (1959) 59-6114
Invest.Rep.Div.Fish.S.Afr., (36):55 p.
The South African pilchard (Sardinops ocellata) and maasbanker (Trachurus trachurus) - The Chaetognatha off the west coast of the Union of South Africa

Hydrography of area; occurrence & distribution of Sagitta spp., their association with water types & occurrence of pilchard eggs; possible harmful predatory activity.

FAO:sjh

M

Barnes, H. (1959) 59-6115
Canad.J.Res.(Zool.), 37:231-6
 Stomach contents and microfeeding of
 some common cirripedes

An account of the stomach contents of
 some common barnacles incl. intertidal
 & sublittoral spp. With some spp. a
 particle size analysis was possible on
 a pooled sample of stomach contents.

FAO:hr

M

Laird, M. (1959) 59-6118
Canad.J.Res.(Zool.), 37:283-8
Caliperia brevipes n.sp. (Ciliata:
 Peritricha), epizoid on Raja erinacea
 Mitchill at Saint Andrews, New
 Brunswick

2 adults of the common skate, or
 tobacco box, trawled in Passamaquoddy
 bay, N.B., in June 1958, bore myriads
 of peritrichous ciliates on & about
 the free edges of the gill filaments.
 The morphology of these epibionts
 refers them to the genus Caliperia.
 Comparisons are drawn between these
 organisms & Ellobiophrya donacis
 Chatton & Lwoff.

FAO:ml

M

Barnes, H. & 59-6116
 M. Barnes (1959)
Canad.J.Res.(Zool.), 37:237-44
 The naupliar stages of Balanus
hesperius Pilsbry

The details of morphology of the 6
 naupliar stages of B. hesperius are
 described, the material being referable
 to the forma laevidomus of Pilsbry. The
 general pattern of development conforms
 to that of other nauplii & is
 remarkably similar in all balanids.
 Tables of sizes & setation are given.

FAO:hb

M

Davies, D.H. (1959) 59-6119
Canad.J.Res.(Zool.), 37:353-69
 The parasitism of black flies (Diptera,
 Simuliidae) by larval water mites
 mainly of the genus Sperchon

Larval sperchonid hydracarina,
 possibly Sperchon jasperensis Marshall
 parasitized adult simuliids in Canada.
 All stages of the water mites were
 found during the summer. Larval mites
 gained access to adult black flies as
 they emerged. Parasitism occurred from
 spring until fall.

FAO:dmd

F

Myers, B.J. (1959) 59-6117
Canad.J.Res.(Zool.), 37:245-6
 Parasites from Elasmobranch hosts from
 the Magdalen islands region of the gulf
 of St. Lawrence

A list of spp. of Cestodes, Trematodes
 & Nematodes parasites of Raja laevis,
R. ocellata, R. radiata, Lamna nasus &
Squalus acanthias.

FAO:hr

M

Myers, B.J. (1959) 59-6120
Canad.J.Res.(Zool.), 37:378
 The stomach contents of harp seals
 (Phoca groenlandica Erxleben) from
 the Magdalen islands, Quebec

Of the 195 adult individuals examined,
 the stomach of 107 contained Clupea
harengus, flatfish, Sebastes marinus,
Glyptocephalus cynoglossus, Hippo-
glossoides platessoides & Aphrodita sp.

FAO:hr

M

DeWitt, R.M. & 59-6121
W.C. Sloan (1959)
Anim.Behav., 7(1-2):81-4
Reproduction in Physa pomilia and
Helisoma duryi

Results of studies on these herma-
phrodite aquatic pulmonate snails from
Florida of the relation of age at
maturity & number & viability of eggs
per individual to the existence of
opportunities for cross-fertilization.

SJH:sjh

F

Sutherland, N.S. (1959) 59-6124
Anim.Behav., 7(1-2):111
A test of theory of shape
discrimination in Octopus vulgaris
Lamark

Short version of paper read at Joint
Meeting of Association for the Study
of Animal Behaviour & the Experimental
Psychology Group at Cambridge, 26-27/
3/58; describing a hypothetical
mechanism & its test by experiments
involving discrimination training on
different pairs of shapes.

SJH:sjh

M

Clark, R.B. (1959) 59-6122
Anim.Behav., 7(1-2):85-90
The tubicolous habit and the fighting
reactions of the polychaete Nereis
pelagica

Laboratory study of events occasioning
aggressive behaviour & method of
fighting when one of these marine worms
attempts to occupy the tube in which
another is living. Comparison with
habit of other spp. of the genus.

SJH:sjh

M

Wells, M.J. (1959) 59-6125
Anim.Behav., 7(1-2):111-2.
Tactile discrimination in Octopus

Short version of paper read at Joint
Meeting of Association for the Study
of Animal Behaviour & the Experimental
Psychology Group at Cambridge,
26-27/3/58; describing experiments on
discrimination of pairs of objects by
blinded animals, indicating that this
animal learns to recognise objects by
characteristic frequencies their
surface textures produce in the arm
nerves, & that the integration of work
performed by the brain is relatively
simple.

SJH:sjh

M

Trotter, J.R. (1959) 59-6123
Anim.Behav., 7(1-2):107
An aid to field observation

Ill. description of a portable & stable
instrument, clockwork, which permits
automatic recording of the time at
which field observations are noted by
pencil on a moving paper strip.

SJH:sjh

G

Mansfield, A.W. (1959) 59-6126
London, H.M.S.O.

The breeding behaviour and reproductive
reproductive cycle of the weddell
seal

Deals with the breeding behaviour
of mature cows of Leptonychotes
weddelli Lesson, & is based on
observations at Signy island in the
South Orkneys during 1952-53. Ill.
with photographs, maps, & diagrams.

:ab

M

Anonymous (1959) 59-6127
Research, Lond., 12:241-2
Water Pollution Research Laboratory

Note on work of this British laboratory, on non-foaming detergents & the effect of increased radio-activity on fish & aquatic plants, with ill. of aerial photographic method of studying distribution of river vegetation.

FAO:sjh

F

Le Cren, E.D. (1958) 59-6130
J.Anim.Ecol., 27:287-334

Observations on the growth of perch (Perca fluviatilis L.) over twenty-two years with special reference to the effects of temperature and changes in population density

A detailed statistical analysis is presented, with observations also on food & fecundity changes; sex differences in growth; effects of intensive experimental fishery on the characteristics of this stock are described.

FAO:sjh

F

O'Gower, A.K. (1959) 59-6128
Proc.Linn.Soc.Lond., 83(388):245-50
The oviposition behaviour of Aedes australis (Erickson) (Diptera, Culicidae)

A study of the interaction of factors on the selection of an oviposition site by the sp. showed that the preference for a moist, porous surface over a free, water surface so influenced the oviposition behaviour that texture, reflectance & salinity had little effect upon it.

GLK:hr

MF

Davies, L. & 59-6131
C.D. Smith (1958)

J.Anim.Ecol., 27:335-48
The distribution and growth of Prosimulium larvae (Diptera: Simuliidae) in hill streams in Northern England

Describes certain features of altitudinal distribution of P. hirtipes & P. inflatum & hypothesis is put forward to explain them.

FAO:sjh

F

Lundin, S.J. (1959) 59-6129
Biochem.J., 72:210-4
Acetylcholinesterase in goldfish muscles - Studies on some substrates and inhibitors

Electrometric measurements of enzyme activity in Carassius auratus.

FAO:sjh

F

Gilchrist, B.M. (1958) 59-6132
J.Anim.Ecol., 27:402
A key to the British species of freshwater Gladocera

Review of 59-2632.

FAO

F

Kimmins, D.E. (1958) 59-6133
J.Anim.Ecol., 27:402-3
/A key to the adults and nymphs of
British stone-flies (Plecoptera)

Review of 59-5479.

FAO:

F

Duncan, C.J. (1959) 59-6136
J.Anim.Ecol., 28(1):97-117
The life cycle and ecology of the
freshwater snail Physa fontinalis (L.)

General account of biology of this
pulmonate in Stanmore pond, Middlesex,
with special reference to reproductive
cycle.

SJH:sjh

F

Wickstead, J. (1959) 59-6134
J.Anim.Ecol., 28(1):69-72
A predatory copepod

Study of plankton samples from
Singapore area; biology of Candacia
bradyi A. Scott which preys on
chaetognaths, particularly Sagitta
enflata Grassi.

SJH:sjh

M

Crisp, D.J. (1959) 59-6137
J.Anim.Ecol., 28(1):119-32
The rate of development of Balanus
balanoides (L.) embryos in vitro

Laboratory studies, indicating
relation of rate of development to
temperature, & respiration rates.

SJH:sjh

M

Weatherley, A.H. (1959) 59-6135
J.Anim.Ecol., 28(1):73-87
Some features of the biology of the
tench Tinca tinca (Linnaeus) in
Tasmania

Review of biology of the sp. Aquarium
tests of lethal temperatures;
tolerance of CO₂ & salinity; food &
feeding, determined by stomach contents
& by experiments; growth rate;
condition factors.

SJH:sjh

F

Guthrie, D.M. (1959) 59-6138
J.Anim.Ecol., 28(1):141-52
Polymorphism in the surface water bugs
(Hemipt.-Heteropt: Gerroidea)

Many spp. exhibit a bimodal poly-
morphism of the alary apparatus, &
occur commonly as small, isolated
populations convenient for study. The
present work describes an investigation
into the determination & maintenance
of this polymorphism in 3 spp. of
Gerris.

SJH:sjh

F

Le Cren, E.D. (1959) 59-6139
J.Anim.Ecol., 28(1):157-9
/On the dynamics of exploited fish populations/

Review of 581530.

SJH:

MF

Marshall, H.B. (1959) 59-6142
J.Anim.Ecol., 28(1):166
/Key to the names of British fishes, mammals, amphibians and reptiles/

Review of original publication by R.D. Macleod, 1956, London, Pitman, 71 p. Scientific names are considered in the 1st part of the book, the common names in the 2nd. The meaning & derivation of these names are given as far as they are known, but before this comes an introductory section giving the purpose & plan of the book, some grammatical principles & some account of the origins of

Varley, G.C. (1959) 59-6140
J.Anim.Ecol., 28(1):160-1
/Animal ecology today/

Review of 585666.

SJH:

G

59-6142
(Card 2)
scientific & common names.

SJH:nbm

MF

Nichols, D. (1959) 59-6141
J.Anim.Ecol., 28(1):162-3
/Treatise on marine ecology and paleoecology. I. Ecology/

Review of 583211.

SJH:

MF

Rounsefell, C.A. & 59-6144
J.E. Evans (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
(27C):57 p.

Large-scale experimental test of copper sulfate as a control for the Florida red tide

About 16 square miles stretching along 32 miles of shoreline from Anclote Key to Pass-a-grille Beach, off St. Petersburg, Florida, were dusted with copper sulfate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$) at about 20 pounds to the acre by crop-dusting planes. Changes in the concentrations of the red-tide organism are described.

GLK:gar

M

U.S. Bureau of Commercial 59-6145
 Fisheries. Branch of Economics (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (277):311 p.
 Survey of the United States shrimp
 industry - Vol. I

A comprehensive examination of the
 shrimping grounds, vessel construction
 fishing operations, fishing costs,
 processing plant efficiency,
 processing costs, trends in
 distribution, packaging, storing,
 shipping, per capita consumption,
 prices, wholesaling, retailing,
 merchandising, & consumer preferences.

Guenther, R.W. & al. (1959) 59-6148
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (296):10 p.
 Etiology of sockeye salmon "virus"
 disease

Violent epizootics among hatchery
 fingerlings, Oncorhynchus nerka,
 caused by a filterable agent have
 occurred. One source of filterable
 agent was found to be adult sockeye
 viscera used in the diet. Infection
 may be transmitted to fingerlings from
 a water supply to which adults
 have access.

GLK:rwg

MF

59-6145
 (Card 2)
 Chapter on conclusions &
 recommendations. Particular reference
 to Penaeus & also Pandalus, Crango,
Crangon & Palaemonetes spp., on
 Atlantic & Pacific coasts from gulfs
 of Panama & Mexico to Alaska & New
 England.

GLK:bcf

M

Buss, K. (1959) 59-6149
Penn.Angler, 28(4):18-9
 Bottled trout

A popular description of the use of
 32-02 polyethylene bottles to
 incubate trout eggs for experimental
 purposes.

WAD:wad

F

Lennon, R.E. & 59-6147
 P.S. Parker (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (280):11 p.
 Applications of salt in electro-
 fishing

Describes efficiency of rainbow
 brook trout capture by electrofishing,
 in salted & salt-free sections of
 large & small, high & low, cold & warm
 streams of high resistivity in
 southern Appalachian mountains.

GLK:efa

F

Moran, P.A.P. (1959) 59-6150
Aust.J.biol.Sci., 12:109-16
 The theory of some genetical effects
 of population subdivision

Effects of subdivision into partially
 isolated subgroups are considered in
 2 particular cases. A probability
 model is studied in which the sub-
 populations are of finite size with
 migration between them. In the 2nd cas
 case a deterministic model is studied
 in which there are 2 subpopulations in
 which selective forces are equal &
 opposite.

GLK:papm

G

Maurin, C. (1959) 59-6151
Sci.Pêche, (67-68):11 p.
 Premiers resultats des recherches effectuées par le PRESIDENT THEODORE TISSIER sur les fonds chalutables de la Méditerranée occidentale (First results of the research carried out by the PRESIDENT THEODORE TISSIER on the trawling grounds of the Western Mediterranean)

A report on general features of the trawl fishery on the French coast of the Mediterranean, results of trawling experiments on the Catalan coast of Spain, southwest region of the gulf of

Beck, E.C. & 59-6154
 W.M. Beck, Jr. (1959)
Bull.Fla St.Mus., 4(3):85-97
 A checklist of the Chironomidae (Insecta) of Florida (Diptera: Chironomidae)

An annotated list of 110 spp. of which 79 were described from North America, 9 of them from Florida, 18 from Europe, 3 from Central or South America, & one from Asia. Incl. information on geographic & annual distributions of adults.

FAO:hr

F

59-6151
 (Card 2)
 Lion, Marseille, Ligure & Provencale coasts, Gulf of Genes & Corsica. As a result of the observations made it was concluded that trawling is possible in depths of 200 & 700 m.

FAO:hr

II

Okada, Y. & 59-6155
 S.S. Kubota (1957)
Jap.J.Ichthyol., 5(3-4-5-6):143-5
 Description of a new fresh water catfish, Coreobagrus ichikai, with an emendation of the genus Coreobagrus Mori

F

Mann, K.H. (1959) 59-6153
Proc.zool.Soc.Lond., 132:369-79
 On Trocheta bykowskii Gedroyé, 1913, a leech new to the British fauna, with notes on the taxonomy and ecology of other Erpobdellidae

Taxonomic description, anatomy.

FAO:sjh

F

Okada, Y. & 59-6156
 S. Kubota (1957)
Jap.J.Ichthyol., 6(4-5-6):128-30
 The mingling fishes in eel-culture pond examined concerning the salt and fresh water adaptabilities - I. Preliminary consideration for the decision of the experimental materials

MF

Baylor, E.R. & F.E. Smith (1957) 59-6157
 "In" 584170:21-35
 Diurnal migration of plankton crustaceans

A critical literature review, with detailed reference to experiments with Daphnia magna.

Wiersma, C.A.G. (1957) 59-6160
 "In" 584170:143-59
 Neuromuscular mechanisms

A critical literature review, with reference to crustaceans, molluscs, echinoderms, annelids, coelenterates & tunicates.

FAO:sjh

MF

FAO:sjh

MF

Passano, L.M. (1957) 59-6158
 "In" 584170:37-49
 Prey-predator recognition in the lower invertebrates

A critical literature review, with reference to carnivorous molluscs, polychaetes, echinoderms, & coelenterates.

Welsh, J.H. (1957) 59-6161
 "In" 584170:161-71
 Neurohormones or transmitter agents

A critical literature review, with special reference to studies of Venus mercenaria, Sesarma reticulata, Callinectes, Hadra, Octopus, Loligo, Ensis, Mytilus & Carcinus.

FAO:sjh

MF

FAO:sjh

MF

Pringle, J.W.S. (1957) 59-6159
 "In" 584170:99-115
 Myogenic rhythms

A critical literature review, with reference to fishes, molluscs & crustaceans.

Kleinholz, L.H. (1957) 59-6162
 "In" 584170:173-96
 Endocrinology of invertebrates, particularly of crustaceans

A critical review of literature, with particular reference to studies of Carcinus, Palaemonetes, Carcinides, Loander, Crango, Uca, Cambarus, Pachygrapsus, Astacus, Homarus, also to Ciona, Phallusia & some gastropod molluscs.

FAO:sjh

MF

FAO:sjh

MF

Scheer, B.T. (1957) 59-6163
 "In" 584170:213-27
 The hormonal control of metabolism in
 decapod crustaceans

A critical review of literature, with
 reference to Panulirus, Cancer,
Homigrapsus, Callinectes, Uca, Carcinus,
Homarus, Leander, Cambarus & Astacus.

FAO:sjh

MF

Krijgsman, B.J. & 59-6166
 N.E. Krijgsman (1957)
 "In" 584170:277-86
 Some features of the physiology of
 the tunicate heart

A critical review of literature, with
 detailed reference to experiments
 with Ciona, Ascidia & Polycitor.

FAO:sjh

F

Robertson, J.D. (1957) 59-6164
 "In" 584170:229-46
 Osmotic and ionic regulation in
 aquatic invertebrates

A critical review of literature, with
 reference to many crustacea, molluscs,
 cephalopods & other invertebrates.
 Detailed data for many commercial spp.,
 incl. Cancer, Homarus, Nephrops,
Anodonta, Sepia, Pecten, Loligo,
Panulirus, Maia, Carcinus, Eriocheir &
Mytilus.

FAO:sjh

MF

Sramek-Musek, R. (1957) 59-6167
Mém.Soc.zool.tchécosl., 21(2):159-63
K rozšíření a ekologii Tropocyclops
prasinus na Moravě (On the
 distribution and ecology of Tropo-
cyclops prasinus in Moravia)

F

Martin, A.W. (1957) 59-6165
 "In" 584170:247-76
 Recent advances in knowledge of
 invertebrate renal function

A critical review of literature, with
 reference to Anodonta, Octopus,
Cambarus, Homarus, Palaemon, Sepia,
Carcinus, Cancer & Palaemonetes.

FAO:sjh

MF

Toker, H. & 59-6168
 K. Wahrmann (1957)
Rev.suisse Zool., 64(11):253-62
Die Reaktion der Bachfauna auf
Gewässervergiftungen (The
 reaction of river fauna to water
 pollution)

F

Donaldson, P.M.K. (1956) 59-616
U.K. Butterworths sci. Publ., 318 p.
Electronic apparatus for biological
research

Wells, M.J. & 59-6172
J. Wells (1958)
J.exp.Biol., 35(2):337-48
The effect of vertical lobe removal
on the performance of octopuses in
retention tests

Wells, M.J. & 59-6170
J. Wells (1957)
J.exp.Biol., 34(4):469-77
Repeated presentation experiments and
the function of the vertical lobe in
Octopus

Croghan, P.O. (1958) 59-6173
J.exp.Biol., 35(1):213-8
The survival of Artemia salina (L.)
in various media

Wells, M.J. & 59-6171
J. Wells (1958)
J.exp.Biol., 35(2):324-36
The influence of preoperational
training on the performance of
octopuses following vertical lobe
removal

Anonymous (1957) 59-6174
Progr.Rep.Seikai reg.Fish.Res.Lab.,
1956:1-111
The investigations of demersal fish
resources in the East China and the
Yellow Seas - (4)

Ferguson, F.F., J. Oliver- 59-6175
 Gonzáles & J.R. Palmer (1958)
Amer.J.trop.Med.Hyg., 7(5):491-3
 Potential for biological control of
Australorbis glabratus, the inter-
 mediate host of Puerto Rican schisto-
 somiasis

HA 27(2)80k. Progress of scheme to
 introduce the snail Marisa cornuarietis
 as an agent to control Australorbis.
 Of 10 ponds in which Marisa was
 successfully established, 8 were
 originally infested with A. glabratus
 & in all of them this sp. had
 disappeared after 2 years.

sha

F

Webbe, G. & 59-6178
 A.S. Msangi (1958)
Ann.trop.Med.Parasit., 52(3):302-14
 Observations on three species of
Bulinus on the east coast of Africa

HA 27(2)85k. Prolonged observations
 on a number of water bodies in the
 Tanga district, Tanganyika. 3 spp.
 of Bulinus, all belonging to the sub-
 genus Physopsis were found in these
 habitats & observations on their
 biology are recorded. Incl. age
 composition of snail populations
 throughout the year, incidence of
 trematode infections, ability to

Dollfus, R.P. (1958) 59-6176
Ann.Parasit.hum.comp., 33(3):227-31
Sur Macraspis cristata (E.C. Faust et
 C.C. Tang 1936) H.W. Manter 1936 et sur
 une émendation d'un accipitriforme
 d'Afrique occidentale (On Macraspis
cristata (E.C. Faust & C.C. Tang 1936)
 H.W. Manter 1936 and on an emendation
 of an accipitriform of West Africa)

HA 27(2):82d. Identifies 2 whole
 specimens & a number of fragments
 collected from the gall-bladder of
Mustelus (Cynias) canis off the coast
 at Dakar. Describes the morphology. In
 a note added in proof records

59-6178
 (Card 2)
 withstand desiccation & probable
 survival of trematode infection.

sha

F

59-6176
 (Card 2)
Scoliodon terraenovae & Rhinobatus
cemiculus as new hosts of Macraspis
cristata.

sha

M

Smithers, S.R. (1958) 59-6180
Ann.trop.Med.Parasit., 52(3):315-9
 Attempted control of Bulinus
senegalensis Müller, a vector of
Schistosoma haematobium in the Gambia

HA 27(2)85l. Reports results of field
 experiments in the use of sodium
 pentachlorophenate as a molluscicide
 against B. senegalensis in laterite
 pools in the Gambia.

sha

F

Dollfus, R.P. & A. Capron (1958) 59-6181
Bull.Inst.franç.Afr.noire, 20(2):311-9
 Un Aephniidiogenes (Trematoda Digenea)
 chez un Labrax (Serranidae) du Sénégal
 (An Aephniidiogenes, Trematoda Digenea,
 from a Labrax, Serranidae, of Senegal)

HA 27(2)97d. Discusses the known sp. of
Aephniidiogenes & ill. & describes
A. senegalensis n.sp. from L. punctatus
 at Dakar. The 1st sp. of this genus
 to be recorded from a host other than
 a member of the Pomadasysidae & a new
 geographical record.

cha

M

Ezzat, M.A.E., G. Tadros & M.I.A. El Halim (1958) 59-6184
 Human schistosomes and other
 trematodes in sea-lions, Salophus
californianus from Giza Zoological
 Gardens. Ar

HA 27(2)99a. Report for the 1st time
 the finding of Schistosoma haematobium
 & S. mansoni & of Heterophyes
heterophyes in sea lions.

Ar

M

Blanc, M. & al. (1958) 59-6182
Bull.Inst.franç.Afr.noire, 20(2):634-74
 Recherches sur la prophylaxie de
 l'onchocercose en A.O.F. - I. Etude
 hydrobiologique de la Bougouri-Bâ et
 essais de désinsectisation
 (Investigations on the prophylaxis
 against onchocerciasis in F.W.A. - I.
 Hydrobiological study of the Bougouri-Bâ
 river and experiments of eradication of
 the insect)

HA 27(2)97e. Detailed account of
 investigations into the problem of
 preventing onchocerciasis along the
 course of the Bougouri-Bâ river in
 French West Africa. After describing

Gaud, J. (1958) 59-6185
Bull.World Hlth Org., 18(5-6):751-69
 Rythmes biologiques des mollusques
 vecteurs des bilharzioses. Facteurs
 saisonniers et climatiques influençant
 le cycle de reproduction de Bulinus
truncatus et de Planorbarius
metidjensis en Afrique du Nord

(Biological rhythms of mollusc vectors
 of bilharziasis. Seasonal & climatical
 factors influence the reproduction
 cycle of Bulinus truncatus & Planor-
barius metidjensis in North Africa)

HA 27(2)103c. Seasonal & climatic
 factors have an action on vector

59-6182 (Card 2)
 the topography of the area they present
 the results of their physico-chemical
 studies of the local waters, tabulate
 & discuss its piscine fauna, & then
 proceed to a detailed discussion of the
 biology & ecology of the local sp. of
Simulium. Description of experiments
 on the eradication of the simuliid
 vectors by the use of larvicides.

cha

F

59-6185 (Card 2)
 biology. 2-year study of Bulinus
 showed life span can be up to 21
 months. There is a close parallel
 between growth & fecundity, & water
 temperature.

cha

F

Malek, A.E. (1958) 59-6187
Bull. World Hlth Org., 18(5-6):785-818
 Factors conditioning the habitat of
 bilharziasis intermediate hosts of the
 family Planorbidae. Fr

HA 27(2)103e. Altitude does not affect
 planorbid distribution. Temperature
 has little effect but does affect
 reproduction. High turbidity of water
 is an unfavourable factor as are also
 swift currents which Bulinus can with-
 stand better than Biomphalaria or
Physopsis. Moderate pollution by human
 & animal excreta is a favouring factor.

cha

F

59-6189
 (Card 2)
 is largely confined to stagnant or
 slowly flowing streams & the snail
 prefers polluted water. An abundant
 growth of unicellular algae is
 essential to the establishment of
 breeding colonies.

cha

F

Harry, H.W. & 59-6188
 D.V. Aldrich (1958)
Bull. World Hlth Org., 18(5-6):819-32
 The ecology of Australorbis glabratus
 in Puerto Rico. Fr

HA 27(2)103f. The vector of Schistosoma
mansoni infections has an irregular
 distribution. The incidence of the
 disease is highest in the low-lying
 alluvial areas, although stream
 gradient is not the only factor
 favouring snail infestation.

cha

F

Barbosa, F.S. & 59-6191
 L. Olivier (1958)
Bull. World Hlth Org., 18(5-6):895-908
 Studies on the snail vectors of
 bilharziasis mansoni in north-
 eastern Brazil. Fr

HA 27(2)103h. In NE Brazil Schistosoma
mansoni infections are transmitted by
Australorbis glabratus & Tropicorbis
centimetalis.

cha

F

Watson, J.M. (1958) 59-6189
Bull. World Hlth Org., 18(5-6):833-94
 Ecology and distribution of Bulinus
truncatus in the Middle East. With
 comments on the effect of some human
 activities in their relationship to the
 snail host on the incidence of
 bilharziasis haematobia in the Middle
 East and Africa. Fr

HA 27(2)103g. A survey of factors
 affecting the vector distribution over
 an area of several millions of square
 miles, with an especial comparison of
 the conditions in the valleys of the
 Nile & Tigris-Euphrates. Infestation

Buttner, A. (1958) 59-6192
Bull. World Hlth Org., 18(5-6):909-29
 Le complexe 'mollusque-schistosome'
 au Brésil (The "schistosome"
 complex in Brazil). En

HA 27(2)103i. There has been a rapid
 invasion by Schistosoma mansoni.
 2 spp. of Planorbidae, Australorbis
glabratus & A. centimetalis
 are responsible, the former in the
 south & the latter in the north-east.

cha

F

Wright, W.H., C.G. Dobrovolsky 59-6193
& E.G. Berry (1958)
Bull. World Hlth Org., 18(5-6):963-74
Field trials of various molluscicides
(chiefly sodium pentachlorophenate) for
the control of aquatic intermediate
hosts of human bilharziasis. Fr

HA 27(2)103l. Field trials of 38
chemicals as molluscicides were
conducted in various states of Brazil,
& a pilot trial of an area 25 sq. km
was carried out in Egypt with sodium
pentachlorophenate.

:ha

F

Marill, P.G. (1958) 59-6196
Bull. World Hlth Org., 18(5-6):1064-70
Sur les variations de la composition
chimique de l'eau et les variations
d'abondance de Bulinus truncatus
Audouin (On the variations of the
chemical composition of water & the
variations in the abundance of
Bulinus truncatus Audouin)

HA 27(2)103u. A survey of a siphon
well & a balancing tank in the Oran
area revealed the presence of Bulinus
Physa & Melanopsis spp.

:ha

F

Lanoix, J.W. (1958) 59-6194
Bull. World Hlth Org., 18(5-6):1011-35
Relation between irrigation engineering
and bilharziasis. Fr

HA 27(2)103o. Points out that spread
by irrigation is the most menacing
feature of the Bulinus problem &
stresses that wherever possible the
irrigation channels should be lined.

:ha

F

Alves, W. (1958) 59-6197
Bull. World Hlth Org., 18(5-6):1071
Chemical constituents of surface
water in Southern Rhodesia, with
special reference to the molluscan
vectors of bilharziasis

HA 27(2)103v. 41 samples from snail-
free waters showed high magnesium &
low calcium content. 73 samples from
snail-infested waters were usually
polluted with human excreta.

:ha

F

Marill, P.G. (1958) 59-6195
Bull. World Hlth Org., 18(5-6):1057-64
Sur l'appréciation comparative de la
richesse des gîtes en mollusques
fluviaux notamment en Bulinus
truncatus Audouin (On the
comparative appreciation of the
abundance of mollusk layers river with
special regard to B. truncatus Audouin)

HA 27(2)103t. Carried out a survey, by means
of home-made snail traps, of a small area
of water about 35 km. south of Algiers.
A number of snails were found incl.
Bulinus spp., Planorbis, Physa,
Lymnaea & Ancylus.

:ha

F

Hubendick, B. (1958) 59-6198
Bull. World Hlth Org., 18(5-6):1072-80
Factors conditioning the habitat of
freshwater snails

HA 27(2)103w. Limiting the concept of
habitat to that part of the
environment which affects the snails
more or less directly & to which the
snails give an ecological &
physiological response. The ecological
requirements of the different spp.
which in the main have a wide
ecological tolerance, differ
quantitatively rather than
qualitatively.

:ha

F

Miller, G.C. (1958) 59-6199
Dissert. Abstr., 18(2):702
Digenetic trematodes in Louisiana
fresh-water fishes

HA 27(2)112a. 19 spp. of digenetic trematodes - representing 11 families & 17 genera - were collected during the years 1954-57 from 629 fresh-water fish - 14 families, 21 genera & 31 spp. - in Louisiana. These are listed. The biology & ecology were also studied.

cha

F

Martin, J.D. (1958) 59-6202
J. Parasit., 44(3):305-10, 319-23
The life histories of some Hawaiian
heterophyid trematodes

HA 27(2)128f. Snails collected in ditches around taro patches in Oahu were examined. Centrocestus formosanus & Haplorchis yokogawai were found in Stenomelania newcombi, H. taichui in Parabia granulifera. Stellantchasmus falcatus in both the snails. Studied life-histories & gives descriptions & measurements. H. taichui was established naturally in Cambusia affinis, Mollienesia formosus, rarely

Komiya, Y. & al. (1958) 59-6200
Jap. J. med. Sci. Biol., 11(1-2):15-20
The molluscicidal effect of sodium
pentachlorophenate and calcium
arsenite on Oncomelania hupensis, a
snail host of Schistosoma japonicum in
China

HA 27(2)122a. The latter compound, being insoluble, may be more useful when adjacent water is used for fish culture.

cha

F

59-6202
 (Card 2)
Mugil cephalus & experimentally in Carassius auratus, H. yokogawai experimentally in Clarias fuscus, & S. falcatus naturally in M. cephalus. C. formosanus metacercariae were found in C. affinis, Xiphophorus helleri & occasionally in M. cephalus. Experimentally infection was successful in goldfish.

cha

F

Fotedar, D.N. (1958) 59-6201
J. Helminth., 32(1-2):1-16
On a new caryophyllaeid cestode,
Adenoscolex oreini gen. et sp. nov.
from fresh-water fish in Kashmir, and
a note on some related genera

HA 27(2)126a. Described & figured from Oreinus sinuatus in Kashmir, belongs in the Capingentinae & is similar to Pseudoclytocestus.

cha

F

Novak, G.E. & 59-6204
 A.G. Pilipenko (1958)
Med. Parazit. Bolezni, 27(3):264-70
(Study of Opisthorchis infection and
its control in the Sumy region of the
Ukraine). Ru En

HA 27(2)133b. The centres of infection are situated near rivers & are maintained by the local custom of eating raw, slightly salted fish.

cha

F

Razumova, E.P. (1958) 59-6205
Med.Parazit.Bolezni, 27(3):271-5
(The epidemiology of Diphyllbothrium
infection among water transport workers
and their families). Ru En

HA 27(2)133c. Village near lake Ladoga
was examined. Infection did not depend
on occupation but on the use in food
of raw pike roe & rose to a maximum in
spring during spawning of the fish.

:ha

F

Yamaguti, S. (1958) 59-6208
Publ.Seto mar.biol.Lab., 6(3):369-84
Studies on the helminth fauna of
Japan - Part 52. Trematodes of fishes,
XI

HA 27(2)149a. Aerobiotrema
muraenesocis n.g., n.sp. is described
& figured from the air-bladder of
Muraenesox cinereus; Opecoelus lateo-
labracis n.sp., from the small
intestine of Lateolabrax japonicus;
O. sebastisci n.sp., from the small
intestine of Sebastiscus marmoratus;
O. pagrosomi n.sp., from the small
intestine of Pagrosomus unicolor;

Rigby, J.E. & 59-6206
D. Rawson (1958)
Nature, Lond., 182:121-2
A new type of early cysticeroid stage
in a cyclophyllidean cestode

HA 27(2)135e. Describes a pre-cystic
cestode larva from the pulmonate snail
Oxychilus cellarius. Older cysticeroids
resemble closely those of Choanotaenia
infundibulum.

:ha

F

59-6208
(Card 2)
Opegaster cryptocentri n.sp., from
small intestine of Cryptocentrus
filifer; Biovarium lateolabracis n.sp.,
from small intestine of Lateolabrax
japonicus; Diplopharyngotrema lateo-
labracis n.g., n.sp., from small
intestine of L. japonicus; Pseudo-
siphoderoides hapalogenyos n.g., n.sp.,
from small intestine of Hapalogenys
sp.; & Proisorhynchus crucibulum
japonicum n.subsp. from Conger
myriaster.

:ha

MF

Velasquez, C.C. (1958) 59-6207
Proc.helminth.Soc.Wash., 25(2):91-4
Notes on Azygia pristipomai Tubangui,
the genus Azygia and related genera
(Digenea: Azygiidae)

HA 27(2)147b. Amplifies Tubangui's
description of Azygia pristipomai.
Material was collected from Therapon
argenteus & a fresh-water fish
commonly called 'ayungin (Tagalog)'.
F

:ha

F

Sparks, A.K. & 59-6210
V.E. Thatcher (1958)
Trans.Amer.micr.Soc., 77(3):287-90
A new species of Stephanostomum
(Trematoda, Acanthocolpidae) from
marine fishes of the northern Gulf of
Mexico

HA 27(2)164d. Record of a new sp. of
Stephanostomum, S. interruptum n.sp.
from Bairdiella chrysura, Micropogon
undulatus, Cynoscion nebulosus &
Ocyurus chrysurus from the Gulf of
Mexico. Described & ill., & compared
with 2 most closely related spp., S.
cloacum & S. elongatum.

:ha

M

Martin, W. & 59-6211

A.H. Banner (1958)

Trans.Amer.micr.Soc., 77(3) 304-6

The effect of poisonous fish upon intestinal parasites

HA 27(2)164g. Laboratory rats & cats infected experimentally with known numbers of metacercariae of Centrocestus formosanus. Investigated the possible anthelmintic effect of Lutjanus bohar.

sha

F

East Africa High

59-6214

Commission (1959)

Jinja, Uganda, 48 p.

East African Fisheries Research Organization annual report 1958

Lists staff & publications & gives general account of work of the Organisation during 1958. Incl. articles 59-6215 to 59-6219.

SJH:sjh

F

Agapova, A.I. (1958) 59-6212

Trud.Inst.Zool., 9:25-31

(Peculiarities of the parasite fauna of fish acclimatized in the water reservoirs of Kazakhstan). Ru

HA 27(2)165d. No abstr.

F

Corbet, P.S. (1959)

59-6215

Rep.E.Afr.High Comm., 1958:21-37

The food of non-cichlid fishes in lake Victoria

Summary of data which will be published later in full. Deals with Bagrus docmac, Mormyrus kannume, Clarias mossambicus, Schilbe mystus, Protopterus aethiopicus. For each sp. gives stomach contents, size range of fish, changes in food with habitat, size, age of moon, type of bottom, lake or stream.

SJH:sjh

F

Sidorov, E.G. (1958) 59-6213

Trud.Inst.Zool., 9:32-41

(Parasites of fish in the river Nura and the Kurinsk water reservoir). Ru

HA 27(2)165e. Lists, with notes on hosts & frequency, 25 trematode, 5 cestode, 4 nematode & 1 acanthocephalan spp. from 261 fish - belonging to 12 spp. - Specimens, probably Asymphyrodora demeli were found in Rutilus rutilus aralensis.

sha

F

van Someren, V.D. &

59-6216

P.J. Whitehead (1959)

Rep.E.Afr.High Comm., 1958:38-40

Notes on the culture of Tilapia nigra (Günther) in ponds

Deals with growth after maturity of males in monoculture, influence of water depth & clarity on growth in Kenya.

SJH:sjh

F

Cridland, C.C. (1959) 59-6217
Rep.E.Afr.High Comm., 1958:41-2
Laboratory experiments on the growth
of Tilapia spp.

Study of T. zillii, T. esculenta;
describes experiments of temperature
relations on growth in former sp.,
growth after maturation & size of
eggs in relation to growth of the
latter.

SJH:sjh

F

Bunt, J.S. (1959) 59-6220
Nature, Lond., 183:1541-2
Marine studies in the inshore waters
of Antarctica near Mawson, 1956

Preliminary notes on investigations,
made June 1956 - February 1957, in
MacRobertson Land, on water
chemistry, temperature, plankton, &
submarine solar radiation.

GLK:cwad

M

Simpson, J.R. & 59-6218
B. Butters (1959)
Rep.E.Afr.High Comm., 1958:43-6
A pot test study of the effect of lake
mud as a fertilizer

Reports experiments at Kawanda;
test crop was millet.

SJH:sjh

F

Fitter, R.S. (1959) 59-6221
London, W.Collins, Sons & Co., 320 p.
The ark in our midst: the story of
the introduced animals of Britain -
birds, beasts, reptiles, amphibians,
fishes

MF

Munro, H. (1959) 59-6219
Rep.E.Afr.High Comm., 1958:47-8
The growth of a lungfish in
captivity

Growth in London & Italy of a captive
Protopterus aethiopicus brought from
lake Victoria; kept for a period of
over a year; comparison with growth in
the wild.

SJH:sjh

F

Skidmore, P. (1958) 59-6222
Manchester, Flatters & Garnett, Ltd.
20 p.
British insects: a simplified key to
the orders

F

Wynne-Edwards, V.C. (1959) 59-6223
Nature, Lond., 183:1420
The Pinnipedia
Review of 583713.

GLK:

M

Brattström, H. (1959) 59-6226
Nature, Lond., 183:1458
Pogonophora in the Hardangerfjord,
Western Norway

A report on the occurrence there of
what appear to be 2 spp., one of
which is similar to Siboglinum
ekmani.

GLK:wad

M

Balfour-Browne, F. (1958) 59-6224
London, Bernard Quaritch, 210 p.
British water beetles

F

Roback, S.S. (1958) 59-6227
Notul. nat. Acad. Philad., (304):5 p.
Results of the Catherwood Foundation
Peruvian Amazon Expedition. A new
genus and species of Tendipedini from
Peru, with some observations on
related genera, Diptera, Tendipedidae
(= Chironomidae)

F

Jackson, D.J. (1959) 59-6225
Nature, Lond., 183:1420-1
British water beetles of the family
Hydrophilidae

Review of 59-6224.

GLK:

F

Abbott, R.T. (1958) 59-6228
Notul. nat. Acad. Philad., (305):4 p.
A new recent species of Tudicula
from Zanzibar (Gastropoda: Vasidae)

F

Nobbs, H.H., Jr. (1958) 59-6229
Notul.nat.Acad.Philad., (307):10 p.
 New crayfishes of the genus
Procambarus from South Carolina and
 Georgia

M

Russell, F.S. (1959) 59-6230
Nature, Lond., 183:1651-2
 Bathyscaphe F.N.R.S. III

Lists dives - places, dates, depths -
 with some notes on observations made.

GLK:sjh

M

Cairns, J., Jr. & 59-6230
 A. Scheier (1958)
Notul.nat.Acad.Philad., (308):11 p.
 The effects of temperature and hardness
 of water upon the toxicity of zinc to
 the pond snail, Physa heterostropha
 (Say)

M

Spooner, G.H. (1959) 59-6231
Nature, Lond., 183:1695-6
 New members of the British marine
 bottom fauna

Account of studies in progress of
 small benthos in sea-bed gravels of
 Plymouth area. Many pygmy spp.;
 references to 3 spp. of Acochli-
 diacea (Gastropoda, holothurian
Leptosynapta, mites (Halacaridae)
 amphipods. Zoogeographical discussion.

GLK:sjh

M

Fowler, H.W. (1958) 59-6231
Notul.nat.Acad.Philad., (310):16 p.
 Some new taxonomic names of fishlike
 vertebrates

MF

Anonymous (1959) 59-6234
Nature, Lond., 183:1723-4
 Directory of natural history and
 other field studies

Review of directory published by
 British Association for Advancement
 of Science, which incl. reference to
 aquatic research in field &
 laboratory, underwater swimming, etc.

GLK:sjh

MF

Lowy, J. & 59-6235

B.M. Millman (1959)
Nature, Lond., 183:1730-1
Contraction and relaxation in smooth
muscles of lamellibranch molluscs

Experiments with anterior byssus
retractor of Mytilus.

GLK sjh

F

Dahl, E. (1959) 59-6236

Nature, Lond., 183:1749
The amphipod, Hyperia galba, an
ectoparasite of the jelly-fish,
Cyanea capillata

Study of nematocysts in 25 specimens
from Bergen, Norway. Taxonomy.

GLK sjh

M

van Someren, V.D. & 59-6236

P.J. Whitehead (1959)
Nature, Lond., 183:1747-8
Methods of marking Tilapia spp. (Pisces:
Cichlidae)

Account of fin clipping - incl.
observations of regeneration - & tagging
methods used for T. nigra in Kenya,
T. spp. in lake Victoria, & also Labeo
Barbus.

GLK sjh

F

Dawbin, W.H. (1959) 59-6237

Nature, Lond., 183:1749-50
Evidence on growth-rates obtained
from two marked humpback whales

Data from 2 marked whales caught in
Cook strait, New Zealand; results
compared with baleen plates & ear
plugs. Maturity sizes & ages.

GLK sjh

M

Watts, J.C.D. (1959) 59-6237

Nature, Lond., 183:1748-9
Seasonal and tidal fluctuations in the
trawl catches from the Sierra Leone
river estuary

Marking experiments on various (unnamed)
spp.; seasonal changes in catch per
unit effort; relations of catches to
water opacity.

GLK sjh

HF

Hatherton, T. & 59-6238

R.H. Orr (1959)
Nature, Lond., 183:1760-1
Microseisms at Scott Base

Discusses observations related to
oceanographic conditions in Ross Sea.

GLK sjh

M

ICNAF (1959) 59-6241
Sampl. Yearb. I.C.N.A.F., 2(1957):169 p.

Gives tables of length & age frequency distribution of samples of cod, haddock & redfish from catches by ICNAF member countries using various gears. Introductory analysis of sampling distribution method. Incl. also 59-6242 & 59-6243.

SJH:sjh

M

Vivier, P. (1959) 59-6244
Bull. Inf. Cons. sup. Pêche, (36):18-25
Les effets de la pollution industrielle ou urbaine sur le poisson et sur la rivière (The effects of industrial and urban pollution on fish and rivers)

A general review of the subject.

FAO:hr

F

Clark, J.R. & 59-6242
E.L. Dietsch (1959)
Sampl. Yearb. I.C.N.A.F., 2(1957):25-37
Length-weight tables for Northwest Atlantic haddock

Tables of measurements, by months & area subdivisions, of Melanogrammus aeglefinus; map, diagrams of seasonal changes; bibliography.

SJH:sjh

M

Sommani, E. (1959) 59-6245
Bull. Inf. Cons. sup. Pêche, (36):26-30
Introduction en Italie des boîtes d'alevinage; application, limites et possibilités du système (Introduction in Italy of fry boxes; use, limitations and possibilities of the system)

Considerations on the use of the box in regard to different types of streams, their temperature, & volume of water.

FAO:hr

F

Foulsen, E.M. (1959) 59-6243
Sampl. Yearb. I.C.N.A.F., 2(1957):39-53
Cod samples from 1956

A critical examination of length measurements of Gadus callarias published in 581478.

SJH:sjh

M

Anonymous (1959) 59-6246
New Scient., 5:1062
Trout research in Scotland

Notice of the 10th annual report of the Supervisory Committee for Brown Trout Research in Scotland.

FAO:glk

F

Lart, G.W., Jr. (1959) 59-6247

Bull. Fla. St. Mus., 4193-205

The ostracods of the genus Entocythere from the lower Chattahoochee-Flint basins with a review of the occurrence of the genus in Florida, and descriptions of two new species

Incl. a key to the sp.; a survey of their ranges, a list of their crayfish 'hosts' & description of Entocythere geophila & E. torreya spp. nov.

FAC br

F

M

Miller, M.C. (1958) 59-6250

Thesis, Univ. of Liverpool, U.K.

Studies on the nudibranchiate mollusca of the isle of Man

Ball, J.H. (1958) 59-6248

Thesis, Univ. of Liverpool, U.K.

The biology of the brown trout of Llyn Tegid

F

el-Wakeel, S.K. (1958) 59-6251

Thesis, Univ. of Liverpool, U.K.

Chemical and mineralogical studies of recent marine sediments

M

Jefferies, D.J. (1958) 59-6249

Thesis, Univ. of Liverpool, U.K.

The ecology of Palaemonetes varians (Leach)

F

Barber, D.A. (1957) 59-6252

Thesis, Univ. of Liverpool, U.K.

The physiology of Equisetum limosum with special reference to its gaseous exchange

F

Hopson, A.J. (1957) 59-6253
Thesis, Univ. of Liverpool, U.K.
The biology of the Manx species of Galathea

M

Whitford, L.A. & 59-6256
D.C. Phillips (1959)
Science, 127: 541-2
Bound phosphorus and growth of phytoplankton

No correlation was found between phytoplankton pulses in 4 North Carolina ponds & variations in bound phosphorus. It is concluded that the interaction of a complex of chemical & physical factors produces both seasonal fluctuations & sporadic blooms of phytoplankton.

FAO:law

F

Sinhaseni, P. (1957) 59-6254
Thesis, Univ. of Liverpool, U.K.
Studies in the determination of biologically important trace constituents of sea water

M

Anonymous (1959) 59-6257
New Scientist, 5: 949-50
Reaching for the wealth of Canada

Note on proposed exploitation of oil deposits in the Canadian Arctic, incl. maintenance of ice-free lagoons by use of compressed air.

FAO:sjh

M

Peru. Consejo de 59-6255
Investigaciones Hidrobiologicas (1958)
Lima, 26 p.
Informe anual correspondiente al año 1958 (Annual report for 1958)

Reports on environmental, biological & statistical studies, cooperation with international bodies, research programme for 1959, projected research vessel & Peruvian institute of marine sciences, regulations of the anchovy fisheries, etc.

HR:hr

M

Anonymous (1959) 59-6258
New Scientist, 5: 1332-3
Wildcats in the Persian Gulf

Incl. reference to establishment of off-shore oil drifting platforms in water deeper than 15 fathoms in Persian Gulf.

FAO:sjh

M

Rose, S.M. (1959) 59-6259
Science, 129:1026
Failure of survival of slowly growing
members of a population

Aquarium observations on the survival
of young Tanichthys albonubes & Barbus
tetrazona indicating that larger
animals may completely suppress the
growth of smaller ones & eventually
kill them by a water-borne inhibitor,
& suggesting that under natural
conditions of very high reproduction
only the more rapidly growing would be
able to survive.

FAO:glk

F

D'Ancona, U. (1959) 59-6262
Nature, Lond., 183:1405
Old and new solutions to the eel
problem

A criticism of 59-2477.

GLK

MF

Clarke, A.H., Jr. & 59-6260
R.J. Menzies (1959)
Science, 129:1026-7
Neopilina (Vema) ewingi, a second
living species of the paleozoic class
Monoplacophora

In Dec. 1958 the Lamont Geological
Observatory research vessel VEMA
dredged 4 specimens of Monoplacophora
from the Peru-Chile Trench off
northern Peru. The specimens are
considered to represent a new subgenus
& sp.: Neopilina (Vema) ewingi, & the
discovery suggests that more relict
types may exist alive in the deep

Tucker, D.W. (1959) 59-6263
Nature, Lond., 183:1406
Old and new solutions to the eel
problem

A reply to 59-6262.

GLK:

MF

59-6260
(Card 2)
sea off Central & South America.

FAO:ahc

M

Anantaraman, S. (1959) 59-6264
Nature, Lond., 183:1407-8
Metacercaria (Allocreadioidea) in the
planktonic ctenophore, Pleurobrachia
globosa Moser 1903, from the Madras
coast

Contents as per title.

GLK:wad

M

Itazawa, Y. (1959) 59-6265
Nature, Lond., 183:1408-9
Influence of temperature on the
number of vertebrae in fish

Describes the results of experiments
in raising Channa argus at different
constant temperatures.

GLK:wad

F

Paloumpis, A.A. (1958) 59-6268
Iowa St. Coll. J. Sci., 32(4):547-61
Responses of some minnows to flood
and drought conditions in an inter-
mittent stream

Experimental sampling of fish in
Squaw Creek, Iowa. Length & age,
distributions of some spp.,
particular reference to Cyprinus,
Semotilus, Notropis & Pimephales spp.

WAD:sjh

F

Smith, I.W. (1959) 59-6266
Nature, Lond., 183:1409
Vibrio spp. in finnock from the
Aberdeenshire Dee

A report on the occurrences of a
Vibrio in young sea trout, Salmo.

GLK:wad

MF

Muncy, R.J. (1958) 59-6269
Iowa St. Coll. J. Sci., 32(4) 563-71
Movements of channel catfish in Des
Moines river, Boone county, Iowa

Study of tagging & electric fishing
experiments with Ictalurus punctatus.

SJH:sjh

F

Hove, O. (1958) 59-6267
Oslo, 189 p.
An outline of Norwegian education

Incl. note on the schools for sea-
manship & fisheries - location, entry
rules, curriculum.

GLK:sjh

M

Owen, J.B. (1958) 59-6270
Iowa St. Coll. J. Sci., 33(1):91-102
The erosion-littoral zone of North
Twin lake, and its relation to
dredging

This zone of an Iowa lake is an
important spawning & feeding area
for game fishes. The main benthic
organisms are mayfly, Caenis,
nymphs, & caddice, Oecetis, larvae.

SJH:sjh

F

Butcher, R.W. (1959) 59-6271
Hydrobiologia, 12:249-50
 An undescribed species of Dunaliella
 from the Cambridge collection of algae

A description of Dunaliella bioculata
 sp.n.

FAO:wad

MF

Deflandre, G. & M. Deflandre-Rigaud. (1959) 59-6274
Hydrobiologia, 12:299-307
Diffugia? marina Bailey, une
 espèce oubliée, synonyme de Quadrulella
symmetrica (Wallich),
 rhizopode testacé d'eau douce -
 Remarques sur la systématique des
 Nebelidae (Diffugia? marina
 Bailey, a forgotten species,
 synonym of Quadrulella symmetrica
 Wallich, rhizopod testacea of fresh
 water - Remarks on the systematics
 of Nebelidae)

A discussion of the systematics of

van Oye, P. (1959) 59-6272
Hydrobiologia, 12:251-67
 Quelques Desmidiées dites Arctiques
 alpines des marais du sud-ouest
 d'Uvira (Congo Belge) (Certain
 desmids called Arctic-Alpine of the
 swamps of the southwest of Uvira,
 Belgian Congo)

A record of spp. with considerations
 on their geographic distribution.

FAO:hr

F

59-6274
 (Card 2)
 Nebelidae & history & synonymy of
C. symmetrica.

FAO:hr

F

Garrod, D.J. (1959) 59-6273
Hydrobiologia, 12:268-97
 The growth of Tilapia esculenta Graham
 in lake Victoria

An age & growth study indicating that
T. esculenta scales bear rings laid
 down as a result of breeding activity &
 that the data can be fitted to
 Bertalanffy's equation of growth.

FAO:wad

F

Vaas, K.F., A. Vaas & van Oven (1959) 59-6276
Hydrobiologia, 12:308-92
 Studies on the production and
 utilization of natural food in
 Indonesian carp ponds

A very detailed account based
 primarily on comparisons of gut
 contents of Cyprinus carpio with the
 supply of natural food together with
 observations on the feeding of
Lebistes reticulatus, Tilapia
mossambica & Helostoma temminckii.

FAO:wad

F

U.S. Hydrographic Office 59-6277
Oceanographic Survey Branch (1957)
Tech.Rep.Oceanogr.Surv.res.Wash., 155 p.
Operation Deep Freeze II, 1956-57

M

U.K. Hydrographic Office 59-6280
(1958)
London
Catalogue of Admiralty charts and
other hydrographic publications, 1958-

M

Smith, F.G.W. & 59-6278
H. Chapin (1957)
Washington, U.S.Govt Print.Off., 18 p.
Farming for fishes

F

Hyde, R.C. (1958) 59-6281
Bantu, 8:45-51
Fish farming experiment at Tsolo School
of Agriculture

Description of the project & principal
results achieved since 1953.

:tl

F

U.S. Hydrographic Office(1957)59-6279
Washington, 12 p.
... Charts and publications for
Antarctica operations

M

Gallais, J. (1958) 59-6282
Cah.d'Outre-mer, 11(42):117-41
La vie saisonnière sud du Lac Debo
(Seasonal life south of Debo Lake)

Description of the seasonal water-
budget of the area & its influence
on the human activity including
fishing on the region.

:tl

F

Lawson, R.M. (1958) 59-6283

Afr.Stud., 17(1):21-7

The structure, migration and
resettlement of Ewe fishing units

Description of the changes in fishery
population in the Tongu district,
caused by the modernization of fishery
techniques.

:tl

MF

Lindley, D.V. (1958)

59-6286

J.Amer.statist.Ass., 53:1049

Finite queuing tables

Review of 59-6285.

FAO

G

Anonymous (1958)

59-6284

Voz de Angola, 192:7

O valor dos produtos derivados da
pesca alcançou em 1957 o seu mais alto
índice (Exports of fish products
reached a record level in 1957)

Statistics of export-import of various
fishery products.

:tl

MF

Storey, M. (1957)

59-6287

Circ.nat.Hist.Mus.Stanford Univ., 7:1-58

Stanford University Theses and
Dissertations of interest to researchers
in natural history (systematics,
morphology, ecology, etc.)

An alphabetical author list, covering
the period 1892-1957.

:ms

MF

Peck, L.G. &

59-6285

R.N. Hazelwood (1958)

New York, J. Wiley & Sons, Inc., 210 p.

Finite queuing tables

G

Abonnenc, E. et al. (1957)

59-6288

Paris, Ed.Larose, 278 p.

Bibliographie de la Guyane Française.
Tom. 1. Ouvrages et articles de langue
française concernant la Guyane et les
territoires avoisinants (Bibliog-
raphy of French Guiana. Vol. 1. Books
and articles in French concerned with
French Guiana and nearby territories)

Lists references to books & articles in
French concerned directly or indirectly
with French Guiana from the end of the
16th century to 1955. The volume is in
2 parts, the 1st of which is an
alphabetical index of authors, & the
2nd a subject-index.

:ea

MF

Amerloove, H. (1957) 59-6289
Veröff.naturw.Ver.Osnabrück, 28:87-94
 Naturwissenschaftliche Bibliographie
 des Osnabrücker Raumes (Bibliography
 on natural sciences of the Osnabrück
 region)

This is the 1st part to be published
 of a series on the natural history of
 the Osnabrück region & its immediate
 vicinity. A beginning is here made with
 the literature of the general zoology
 & of the Vertebrata of the district.

hbk

F

59-6291
 (Card 2)

item is accompanied by a more or less
 detailed summary in Russian, & there
 is a list of the scientific names of
 the parasites & their hosts, & a
 subject index of diseases caused by
 parasites, & of protective measures
 used against them.

:snb

F

Pax, F. (1957) 59-6290
Wrocław, 184 p.
 Bibliographv of Silesian zoology,
 Part 3 (1930-1950)

It is gratifying to note the appearance
 of the 3rd part of this useful bibliog-
 raphy. The 2nd part is rare & difficult
 to obtain, although a few libraries
 possess a microfilm copy.

:fp

F

Davis, M.T. (1957) 59-6293
Taxon, 6:161-82
 A guide and an analysis of Engler's
 "Das Pflanzenreich"

A detailed table of the contents of
 "Das Pflanzenreich" under families,
 listed alphabetically, supplemented by
 a systematic list of family numbers
 so far treated, as given in the
 foreword to the whole work in IV 45
 Musaceae 1900; an alphabetical list of
 authors, subdivided chronologically; &
 an index of Heft numbers & chronological
 order of issue.

:mtd

MF

Boov, S.N., I.G. Galuzo & 59-6291
 E.V. Gvozdev (Ed.) (1957)
Alma-Ata, 312 p.

Literature sur la parasitologie du
 Kazakhstan. Bibliographie analysée
 sur les parasites et les maladies
 parasitiques de l'homme et des animaux
 sauvages et domestiques (Literature
 on the parasitology of Kazakhstan.
 Analysed bibliography on parasites and
 diseases of men and wild and domestic
 animals, caused by parasites)

Published by the Zoological Institute
 of the Academy of Sciences of Kazakhstan
 & contains 1,365 titles, arranged
 alphabetically by authors. Nearly every

Macro, E. (1958) 59-6294
Florida, Univ.Miami Press, 80 p.
 Bibliography of the Arabian Peninsula

List of 2,380 titles. There is no
 subject. Supplements such works as
 H.W. Hazard's bibliography of the
 same region, prepared under the
 auspices of the American Geographical
 Society & published in 1956.

:cm

MF

Dow, R.L., D.M. Harriman & L.W. Scattergood (1959)
Comm.Fish.Rev., 21(5):1-14
The role of holding pounds in the Maine lobster industry

Describes yearly & seasonal trends in Homarus americanus fishery. History & operation of water area for holding live lobsters; their effect on the operations of the industry; problems to be solved - effects of temperature & feeding on survival, conditioning, disease, oxygen demand.

FAO:sjh

M

Anonymous (1959) 59-6295
Comm.Fish.Rev., 21(5):19-20
California - Seasonal fishery for squid

Contents as per title.

FAO:

M

Dassow, J.A. (1959) 59-6296
Comm.Fish.Rev., 21(5):15-6
Technical note No. 53 - Utilization of sea cucumbers (Holothurians) as food

Incl. notes on their occurrence in N. Pacific & elsewhere.

FAO:sjh

M

Anonymous (1959) 59-6299
Comm.Fish.Rev., 19(5):20
Clams - New England hard clams thrive in Florida

An experiment of the U.S. Bureau of Commercial Fisheries Biological Laboratory at Milford, Conn., & the State of Florida showed that Venus mercenaria will thrive. The clams grow about 5 times faster than clams grow in colder northern waters.

FAO:sjh

M

Anonymous (1959) 59-6297
Comm.Fish.Rev., 21(5):18-9
California - Deep-water trawling fleet
Contents as per title.

Anonymous (1959) 59-6300
Comm.Fish.Rev., 19(5):22
Fishways - Fishways with steeper gradient to be tested at Ice Harbor Dam
Contents as per title.

FAO:

M

FAO:

MF

Anonymous (1959) 59-6301
Comm.Fish.Rev., 21(5):22
Florida - University of Miami awarded
grant for marine radiation research

A grant by the National Seamen
Foundation of \$12,000 to be used for
basic research on radium distribution
in the bottom sediments & the water
above in the Florida Straits, the
Bahamas, & the Caribbean area.

FAO:sjh

F

Anonymous (1959) 59-6304
Comm.Fish.Rev., 21(5):25-6
Gulf exploratory fishery program -
Trawling for midwater industrial fish
stocks between Mississippi Delta and
Cape Romano, Fla (M/V CREGON Cruise 57)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6302
Comm.Fish.Rev., 21(5):24
Great Lakes - Control measures in
Michigan's Great Lakes streams to be
continued

To continue work in controlling &
destroying sea lamprey.

FAO:sjh

MF

Anonymous (1959) 59-6305
Comm.Fish.Rev., 21(5):27-8
Menhaden - Atlantic fishery trends in
1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-6303
Comm.Fish.Rev., 21(5):24-5
Gulf exploratory fishery program -
Efficiency of trawls versus baited
traps in red snapper fishing on
Campeche Bank (M/V SILVER BAY Cruise 15)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6306
Comm.Fish.Rev., 21(5):29-30
North Atlantic fisheries exploration
and gear research - Commercial
quantities of butterfish and grouper
found off Cape Fear, N.C. (M/V DELAWARE
Cruise 59-2)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6307
Comm.Fish.Rev., 21(5):30
North Pacific exploratory fishery
program - Fishing gear research planned
in Puget Sound (M/V JOHN N. COBB Cruise
41)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6310
Comm.Fish.Rev., 21(5):32
Pacific oceanic fishery investigations -
Tuna resources survey in Marquesas and
Tuamotu Islands area ended (M/V CHARLES
H. GILBERT Cruise 43)

Contents as per title.

FAO

M

Anonymous (1959) 59-6308
Comm.Fish.Rev., 21(5):30-1
Pacific oceanic fishery investigations -
Observations on California current
extension in vicinity of Hawaiian
Island continued (M/V HUGH M. SMITH
Cruise 50)

Contents as per title.

FAO:

M

Sokolich, A.D. (1959) 59-6311
Comm.Fish.Rev., 21(5):32-4
Practical method of preventing a
purse-seine net from sinking to its
full depth

Contents as per title.

FAO:

M

Anonymous (1959) 59-6309
Comm.Fish.Rev., 21(5):31
Pacific oceanic fishery investigations -
Tilapia rearing experiments continued

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6312
Comm.Fish.Rev., 21(5):35
Salmon - Blood tests used to distinguish
racial stocks

The development of serological techniques
of identifying North Pacific Ocean
high-seas salmon stocks as to Asiatic
or North American origin.

FAC:sjh

MF

Anonymous (1959) 59-6313
Comm.Fish.Rev., 21(5):35
Salmon - Salmon packers in Washington
seek to lift ban on fish traps in
Alaska

Contents as per title.

FAO: MF

Anonymous (1959) 59-6314
Comm.Fish.Rev., 21(5):36
Shad - Virginia and federal biologists
cooperate on study of York River run

Contents as per title.

FAO: MF

Anonymous (1959) 59-6315
Comm.Fish.Rev., 21(5):38
Virginia - Fisheries laboratory awarded
grant for teacher training

A grant to conduct a research
participation program for teacher
training awarded by the National
Science Foundation to the Virginia
Fisheries Laboratory at Gloucester
Point.

FAO:sjh M

Anonymous (1959) 59-6316
Comm.Fish.Rev., 21(5):40
Washington - University of Washington
awarded grant for fisheries research

Two fisheries research grants that
will total nearly \$120,000 over a
3-year period have been received from
the National Institutes of Health by
the College of Fisheries at the
University of Washington, Seattle.
In the marine bacteria research, a
type culture collection of bacteria
from marine plants & animals will be
established & a logical system for
their classification developed.

FAO:a M

Anonymous (1959) 59-6317
Comm.Fish.Rev., 21(5):42
International - Baltic Sea - Convention
planned for protection of fish

Contents as per title.

FAO: M

Anonymous (1959) 59-6318
Comm.Fish.Rev., 21(5):46-7
International - International Pacific
Salmon Commission - Sockeye and pink
salmon regulations for 1959

Contents as per title.

FAO: MF

Anonymous (1959) 59-6319
Comm.Fish.Rev., 21(5):47
International - International Whaling
Commission - Amendment to convention
ratified by Panama

Contents as per title.

FAO: M

Anonymous (1959) 59-6322
Comm.Fish.Rev., 21(5):52-3
International - Territorial waters -
British-Danish agreement on Faroe
Islands fishing limits

Contents as per title.

FAO: M

Anonymous (1959) 59-6320
Comm.Fish.Rev., 21(5):48
International - Marine biology studies
in 1958/59 Antarctica program

Contents as per title.

FAO: M

Anonymous (1959) 59-6323
Comm.Fish.Rev., 21(5):53-4
International - Tuna - United States
live-bait fishing method adopted by
other countries

Contents as per title.

FAO: M

Anonymous (1959) 59-6321
Comm.Fish.Rev., 21(5):49-52
International - Northwest Pacific
Fisheries Commission - Progress on 1959
negotiations between Japan and Russia

Contents as per title.

FAO: MF

Anonymous (1959) 59-6324
Comm.Fish.Rev., 21(5):54
Angola - Review of fishing industry,
1957

Contents as per title.

FAO: M

Anonymous (1959) 59-6325
Comm.Fish.Rev., 21(5):55
Argentina - Vessel quotas and for
Mar del Plata fishermen

Contents as per title.

FAO: M

Anonymous (1959) 59-6328
Comm.Fish.Rev., 21(5):59
Cuba - Fisheries trends, January 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-6326
Comm.Fish.Rev., 21(5):55
Australia - Spiny lobster conservation
regulations announced

Contents as per title.

FAO: M

Anonymous (1959) 59-6329
Comm.Fish.Rev., 21(5):59
Cuba - New Maritime Development
Commission given jurisdiction over
fisheries

Contents as per title.

FAO: M

Anonymous (1959) 59-6327
Comm.Fish.Rev., 21(5):58-9
Chile - Foreign vessels authorized to
fish off northern coast

Contents as per title.

FAO: M

Anonymous (1959) 59-6330
Comm.Fish.Rev., 21(5):60
Guatemala - Surimp fishery trends

Contents as per title.

FAO: M

Anonymous (1959) 59-6331
Comm.Fish.Rev., 21(5):60
Hong Kong - Shrimp landings, October-
December 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-6334
Comm.Fish.Rev., 21(5):63-4
Italy - Fishing company permitted to
fish in Tunisian waters

Contents as per title.

FAO:

M

Anonymous (1959) 59-6332
Comm.Fish.Rev., 21(5):61-2
Iceland - Fisheries trends, October-
December and year 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-6335
Comm.Fish.Rev., 21(5):66-7
Mexico - Fishery Bureau reorganized
and new policy announced

Contents as per title.

FAO:

M

Anonymous (1959) 59-6333
Comm.Fish.Rev., 21(5):62-3
Iceland - Replies to protests on
extension of fishing limits to 12 miles

Contents as per title.

FAO:

M

Anonymous (1959) 59-6336
Comm.Fish.Rev., 21(5):67
Mexico - Shrimp fishery trends, March
1959

Contents as per title.

FAO:

M

Anonymous (1959) 59-6337
Comm.Fish.Rev., 21(5):67-8
Mexico - Shrimp stocks off West Coast
compared with 1936

Contents as per title.

FAO: M

Anonymous (1959) 59-6340
Comm.Fish.Rev., 21(5):69
Norway - Fisheries trends, 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6338
Comm.Fish.Rev., 21(5):68
Morocco - Fisheries trends, June-
December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6341
Comm.Fish.Rev., 21(5):69-71
Norway - Fishery landings, production,
and exports 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6339
Comm.Fish.Rev., 21(5):68-9
Norway - Antarctic whaling production
lower for 1958/59 season

Contents as per title.

FAO: M

Anonymous (1959) 59-6342
Comm.Fish.Rev., 21(5):71
Norway - Improved underwater camera for
marine research developed

Contents as per title.

FAO: M

Anonymous (1959) 59-6343
Comm.Fish.Rev., 21(5):71-2
Norway - Plan research to locate sub-
surface tuna with asdic

Contents as per title.

FAO: M

Anonymous (1959) 59-6346
Comm.Fish.Rev., 21(5):74
Portugal - Fisheries trends, November
1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6344
Comm.Fish.Rev., 21(5):72
Poland - Trawler returns from fishing
trip to West African waters

Contents as per title.

FAO: M

Anonymous (1959) 59-6347
Comm.Fish.Rev., 21(5):74
Portugal - National Fish Commission
formed

Contents as per title.

FAC: M

Anonymous (1959) 59-6345
Comm.Fish.Rev., 21(5):73-4
Portugal - Fishery landings in Portugal,
Madeira, and the Azores, 1957

Contents as per title.

FAO: M

Anonymous (1959) 59-6348
Comm.Fish.Rev., 21(5):74-5
Spain - Vigo fisheries trends, February
1959

Contents as per title.

FAO: M

Anonymous (1959) 59-6349
Comm.Fish.Rev., 21(5):78
Taiwan - United States lends \$686,000
to expand fishing industry

Contents as per title.

Anonymous (1959) 59-6352
Comm.Fish.Rev., 21(5):81
U.S.S.R. - Fishing fleet reported off
Alaska coast

Contents as per title.

FAO: M

FAO: M

Anonymous (1959) 59-6350
Comm.Fish.Rev., 21(5):78-9
Tunisia - Fishing industry, 1957

Contents as per title.

Anonymous (1959) 59-6353
Comm.Fish.Rev., 21(5):81-2
Venezuela - Joint Venezuelan-Japanese
firm to engage in tuna fishing and
canning

Contents as per title.

FAO: M

FAO: M

Anonymous (1959) 59-6351
Comm.Fish.Rev., 21(5):80-1
Union of South Africa - Intensive study
under way of pelagic shoal fishing
waters off South African west coast

Contents as per title.

Anonymous (1959) 59-6354
Comm.Fish.Rev., 21(5):90-1
Department of the Interior - Fish and
Wildlife Service - General use of fish
traps barred in Alaska salmon fishery

Contents as per title.

FAO: M

FAO: MF

Anonymous (1959) 59-6355
Comm.Fish.Rev., 21(5):92-3
Eighty-sixth Congress (First Session) -
Alaska's commercial fisheries--Abolition
of fish traps

Contents as per title.

FAO.

MF

Anonymous (1959) 59-6358
Comm.Fish.Rev., 21(5):93-4
Eighty-sixth Congress (First Session) -
Columbia River fisheries programs

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6356
Comm.Fish.Rev., 21(5):93
Eighty-sixth Congress (First Session) -
Alaska's commercial fisheries-- Bris-
tol Bay salmon fishing closure

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6359
Comm.Fish.Rev., 21(5):94
Eighty-sixth Congress (First Session) -
Dogfish shark eradication

Contents as per title.

FAO:

M

Anonymous (1959) 59-6357
Comm.Fish.Rev., 21(5):93
Eighty-sixth Congress (First Session) -
ALBATROSS III deactivation hearings

Contents as per title.

FAO:

M

Anonymous (1959) 59-6360
Comm.Fish.Rev., 21(5):95
Eighty-sixth Congress (First Session) -
Fish and wildlife cooperative research
training units

Contents as per title.

FAO:

M

Anonymous (1959) 59-6361
Comm.Fish.Rev., 21(5):95
Eighty-sixth Congress (First Session) -
Game fish in dam reservoirs research

Contents as per title.

FAO:

F

Anonymous (1959) 59-6364
Comm.Fish.Rev., 21(5):97
Eighty-sixth Congress (First Session) -
Marine game fish research

Contents as per title.

FAO:

M

Anonymous (1959) 59-6362
Comm.Fish.Rev., 21(5):95
Eighty-sixth Congress (First Session) -
Insecticides effect upon fish and
wildlife

Contents as per title.

FAO:

F

Anonymous (1959) 59-6365
Comm.Fish.Rev., 21(5):97
Eighty-sixth Congress (First Session) -
Power projects fisheries resources
protection

Contents as per title.

FAO:

F

Anonymous (1959) 59-6363
Comm.Fish.Rev., 21(5):96-7
Eighty-sixth Congress (First Session) -
Interstate transportation of fish

Contents as per title.

FAO:

F

Anonymous (1959) 59-6366
Comm.Fish.Rev., 21(5):98
Eighty-sixth Congress (First Session) -
Salt-water research laboratory

Contents as per title.

FAO:

M

London, C.H. & 59-6367
 R. Dietrich (1957)
Fisch. Seif. Anstrichmitt., 59:434-7
 (Relations between the protein content
 and the nutritional value of Sebastes
marinus). De

Deufel, J. & 59-6370
 K.U. Naumann (1958)
Fischwirt, 8:290-1
 Der Einfluss von Vitamin T auf Regen-
 bogenforellenbrut (The influence
 of vitamin T on the fry of rainbow
 trout)

Account of investigations on forced
 growth & improved health of fry by
 vitamin T feeding.

M

FAO:dr

F

Lillelund, K. (1958) 59-6368
Fischwirt, 8:281-4
 Versuche zur Anfütterung von Hechtbrut
 in einer auf dem Land eingebauten
 Vorstreckanlage (Experiments of
 feeding pike fry with an apparatus
 established on the land)

Description of process of automatic
 feeding.

Wunder, W. (1958) 59-6371
Fischwirt, 8:292-5
 Zur Erforschung und Bekämpfung der
 Bauchwassersucht (On investigations
 and control of ascites)

Describes experiments & results of
 leucomycin injections. Continuation of
 584845.

FAO:dr

F

FAO:dr

F

Schiemenz, F. (1958) 59-6369
Fischwirt, 8:285-9
 Die Enge des Abstandes der Stäbe von
 Schutzrechen vor Turbinen und Sielpumpen
 in ihrer Bedeutung für die Fischerei wie
 für die Kraftwirtschaft (Distance
 between the bars of turbine and sewage
 pump gratings with special regard to
 their use in fisheries and power
 industry)

Content as per title.

IPFC (1957) 59-6372
Occ.Pap.Indo-Pacif.Fish.Coun., (57/3),
 Add. 3, 4 p., mimeo
 National fisheries policy and programme -
 Philippines

Excerpts from the message of President
 Ramón Magsaysay to the Congress of the
 Philippines in his transmittal of the
 budget of the National Government for
 the fiscal year ending June 30, 1958.
 February 11, 1957.

FAO:dr

F

FAO:ipfc

MF

Furnestin, J. (1959) 59-6373
Rev.Trav.Off.Pêches marit., 23(1):5-77
Hydrologie du Maroc atlantique
(Hydrology of the Atlantic Morocco)

The first part consists of an appraisal of the coastal waters of Morocco encompassing isotherm & isohaline charts at different depths for all seasons during 1949 - 1953 & isodynamic charts for 1953; the second considers the hydrology of the main sectors based on studies made during 1953.

FAO:hr

M

Furnestin, J. & 59-6374
M.-L. Furnestin (1959)
Rev.Trav.Off.Pêches marit., 23(1):79-104
La reproduction de la sardine et de l'anchois des côtes atlantiques du Maroc
(The reproduction of the sardine and anchovy on the Atlantic coast of Morocco)

The first part consists of a study of spawning seasons & areas of Sardina pilchardus & their relationships to environmental conditions, particularly temperature, during 1947 - 1953; the second is a similar study of Engraulis encrasicolus.

FAO:hr

M

Furnestin, M.-L. (1959) 59-6375
Rev.Trav.Off.Pêches marit., 23(1):105-24
Meduses du plancton marocain
(Medusae of Moroccan plankton)

Lists the medusae of the Atlantic waters of Morocco, & gives general information on their annual & seasonal abundance, & distribution. A number of spp. new for Moroccan waters are recorded.

FAO:hr

M

Rounsefell, G.A. (1958) 59-6376
Fish.Bull., U.S., 58:171-85
Anadromy in North American Salmonidae

Arrangement of the genera Oncorhynchus, Salmo, Salvelinus, & Cristivomer in descending order of anadromy & examination of the correspondence between lethal stream temperatures for the young of certain spp. & the anadromous habits of those spp.

FAO:glk

F

Robertson, C.H. (1958) 59-6377
Fish.Bull., U.S., 58:9-30
Accelerated development of testis after unilateral gonadectomy, with observations of the normal testes of rainbow trout

Experimental study of Salmo gairdnerii. Description of techniques. Measurement of the weight & study of the histology of the testis under these experimental conditions compared with observations on the gonad of normal trout.

FAO:glk

F

Silliman, R.P. & 59-6378
J.S. Gutsell (1958)
Fish.Bull., U.S., 58:215-52
Experimental exploitation of fish populations

Reports experiments with 4 aquarium populations of Lobistes reticulatus, with controlled light, temperature & food supply; 2 were used as controls, 2 were "fished" at various intensities.

FAO:sjh

FG

Matsumoto, W.M. (1958) 59-6379
Fish.Bull., U.S., 58:31-72
 Description and distribution of larvae
 of four species of tuna in Central
 Pacific waters.

The larvae of 4 spp. of tuna - Noo-
thunnus macropterus, Katsuwonus pelamis,
Euthynnus yaito, & Auxis thazard - are
 described in detail. Diagnostic
 characters are given to aid in the
 identification of the spp.

FAO:wmm

M

59-6381
 (Card 2)

list of spp. Procambarus rogersi
expletus, new subsp. is described
 from Calhoun County, Florida.

FAO:hh

F

Menard, H.W. (1959) 59-6380
Experientia, 15:205-13
 Geology of the Pacific Sea floor. Do

General account describing broad
 elevations & depressions, seamounts &
 abyssal hills, & discussing evidence of
 tectonic intensity in this basin & on
 the permanence of ocean basins & land
 bridges.

FAO:glk

M

Sexton, O.J. (1959) 59-6383
Ecol.Monogr., 29:113-40
 Spatial and temporal movements of a
 population of the painted turtle,
Chrysemys picta marginata (Agassiz)

Marking study of 100 individuals in
 & around Crane Pond, Michigan.

GLK:sjh

F

Hobbs, H.H., Jr. & 59-6381
 C.W. Hart, Jr. (1959)
Bull.Fla St.Mus., 4:146-91
 The freshwater decapod crustaceans of
 the Apalachicola drainage system in
 Florida, Southern Alabama, and Georgia.

The family Palaemonidae is represented
 by 2 shrimps of the genus Palaemonetes
 & the Astacidae by 21 crayfishes
 belonging to the genera Procambarus
 (15 spp.), Cambarus (4), Orconectes (1),
 & Cambarellus (1). An ill. key is
 provided for identifying these animals,
 & a tabular summary of their ecological
 distributions precedes an annotated

Kerswill, C.J. (1959) 59-6384
Trade News, 11(11):3-10
 Investigation and management of Atlantic
 salmon in 1958. Part 1. The research
 programme

A general review of Salmo salar studies
 & industry in the N.W. Atlantic.

FAO:sjh

MF

Burridge, E.W. (1959) 59-6385
Trade News, 11(11):11-6
Investigation and management of Atlantic
salmon in 1958. Part 2. The management
programme

Experiments & improvements of Salmo
salar fisheries in N.W. Atlantic.

FAO:sjh

MF

Anonymous (1959) 59-6388
New Scient., 6(137):32
Abandoned wormholes under the Arctic

Note on photographs of bed of Arctic
ocean taken during IGY from drifting
station ALPHA; strewn boulders;
manganese coated worm tubes as evidence
of climatic change.

FAO:sjh

M

Poll, M. (1959) 59-6386
Ann.Mus.Congo belge, 71, Ser.8:75-174
Recherches sur la faune ichthyologique
de la région du Stanley Pool
(Investigations of the ichthyological
fauna of the Stanley Pool region)

Contains the taxonomic description of
the spp. & a study of the ecology &
association of the spp. in Stanley
Pool & neighbouring waters.

WAD:hr

F

Schubert, (1958) 59-6389
Wiss.Informat.Fischereiprax., 5:164-8
Bericht über die 32. Forschungsfahrt
des Fischereiforschungsschiffes ANTON
DOHRN in die mittlere Nordsee vom 9.
Oktober 1958 bis 30. Oktober 1958
(Report on the 32nd research cruise of
the R/V ANTON DOHRN to the middle North
Sea from 9 to 30 October 1958)

Contents as per title.

FAO:dr

M

Darbyshire, J. (1959) 59-6387
New Scient., 6(137):26-9
Recent research on sea waves

Summary account of spectral analysis,
ship-borne & land based wave-recorders;
application in storm tracking, plotting
navigation routes, design of harbours,
sea-walls & breakwaters, ship design,
tank testing.

FAO:sjh

M

Meyer, A. (1958) 59-6390
Wiss.Informat.Fischereiprax., 5:168-70
Die Suchreisen deutscher Trawler 1958
und ihre Ergebnisse (Exploratory
cruises of German trawlers during 1958
and their results)

Report on exploratory fishing results
obtained in Greenland waters.

FAO:dr

M

Schubert, K. (1958) 59-6391
Wiss.Informat.Fischereiprax., 5:170-5
Über den deutschen Heringsfang und die
Heringsuntersuchungen im Jahre 1958
(On the German herring catch and
investigations during 1958)

Biological statistics of a review.

FAO:dr

M

Hamburg, Institut für 59-6394
Küsten- und Binnenfischerei (1958)
Wiss.Informat.Fischereiprax., 5:182-3
Kutter-Suchfahrten (Cutter
exploratory cruises)

Report on results obtained off South
Norwegian coasts.

FAO:dr

M

Sahrhage, D. (1958) 59-6392
Wiss.Informat.Fischereiprax., 5:176-8
Tagung der Internationalen Fischerei-
konvention (Meeting of the Inter-
national Fishery Convention)

Brief report on the meeting of the North
Sea Commission in Dublin 1958.

FAO:glk

M

Hamburg, Institut für 59-6395
Küsten- und Binnenfischerei (1958)
Wiss.Informat.Fischereiprax., 5:183
Ein Thun markierte sich selbst (A
tuna which tagged itself)

Report as per title with notes on tuna
migration in the North Sea.

FAO:dr

M

Sahrhage, D. (1958) 59-6393
Wiss.Informat.Fischereiprax., 5:178-82
Wiedorfang markierter Fische (Catch
of tagged fish)

List of tagged fish caught in the
period 1 July - 31 December 1958.

FAO:dr

M

Mann, H. (1958) 59-6396
Wiss.Informat.Fischereiprax., 5:184-6
Leistungsprüfungen an Schleien
(Efficiency test on tenches)

Report on the growing of tenches &
length-weight relations.

FAO:dr

F

Hamburg, Institut für 59-6397
 Küsten- und Binnenfischerei (1958)
Wiss.Informat.Fischereipraxis, 5:186
 Bewegliche Elektroscheuchanlage
 (Movable electrical installation for
 scaring fish)

Preliminary report on experiments done
 in Steinhuder Meer (Lower Saxonia).

FAO:lr

F

Kurata, H. (1957) 59-6400
Hokusuishi Geppo, 14(1):8-21
 (The biology of the prawn Pandalus
hypsinotus in the waters off Masuko,
 Hokkaido). Ni

FiB:

M

Nümann, W. (1958) 59-6398
Allg.FischZtg., 83:88-91
 Vorläufiger Bericht über das stark
 veränderte Wachstum der Blaufelchen
 im Bodensee und Versuch einer Fang-
 prognose für das Jahr 1958
 (Preliminary report on the change of
 growth of white fish in Lake Constance
 and an attempt to prognose 1958 catch)

Reports present growth rate of
Coregonus & compares them with former
 results. Incl. forecasting of fishery
 from the year-class strength.

FAO:dr

F

Kurata, H. (1957) 59-6401
Hokusuishi Geppo, 14:42-51
 (The biology of the prawn Pandalus
borealis in the waters off Masuko,
 Hokkaido). Ni

FiB:

M

Keiz, G. (1958) 59-6399
Allg.FischZtg., 83:97-8
 Untersuchungen über das Wachstum
 gesunder Karpfen (Cyprinus carpio L.)
 nach Antibiotika-Injektionen
 (Growth rate investigations of healthy
 carps, Cyprinus carpio L., after
 antibiotics treatment)

Describes experiments & gives an
 account of observations made on the
 growth rates after the treatment.

FAO:dr

F

Mangerel, P. (1957) 59-6402
Bull.Cent.belg.Etud.Document.Eaux, (36):
 105-12
 Plankton in the water of rivers
 intended for water supply

WPA 32(3)431. The principal difficulties
 caused by plankton in water to be used
 for potable supplies are discussed.
 Previous work on plankton in rivers is
 reviewed briefly & investigations are
 described on the rivers Seine, Marne,
 & Oise, from which water supplies for
 Paris are drawn.

:wpa

F

Kiefer, H. & R. Maushart (1958) 59-6403
Nukleonik, 1:22-7
Natural radioactivity in water

WPA 32(3)468. The composition of the natural radioactivity of different waters was investigated; chemical precipitation methods were found to be the most satisfactory means of measurement.

:wpa

MF

Coxon, T.L.J. (1958) 59-6406
Contract.Rec., 69(29):16-7
River pollution in tidal waters

WPA 32(3)547. The problem of the present extensive pollution of the tidal reaches of the river Tyne is discussed, & the deleterious effects of this pollution on human health & fish life are emphasized.

:wpa

MF

Lackey, J.B. (1957) 59-6404
Engng Progr.Univ.Fla, 11(3)Suppl.Leaf1.
(87): 8 p.

Some visibility problems in large aquaria. I. Plankton problems at Marineland

WPA 32(3)473. The non-bacterial microscopic life in the tanks of an oceanarium at Marineland Fla, was studied for 1 year. 11 groups & total counts are tabulated.

:wpa

M

Vladykov, V.D. & 59-6407
G. Beaulieu (1958)

Nat.canad., 85:149-56
Variations dans le Québec de l'abondance annuelle des poissons originaires des Grands-lacs (Variations in annual abundance of fishes from the Great Lakes in Quebec)

A study of fluctuations in the occurrence of Dorosoma cepedianum, Lepiboma chrysons, Morone americana in the St. Laurence river during 1944-57. (Issued as Contr.Dep.Fish., Quebec, (70)).

FAO:hr

F

Lackey, J.B. (1957) 59-6405
Engng Progr.Univ.Fla, 11(3)Suppl.Leaf1.
(87):8 p.

Some visibility problems in large aquaria. II. A bacteriological study of the sea water used in Marineland

WPA 32(3)474. During investigations on the turbidity of water in the oceanarium of Marineland, Fla, bacteriological examination of the water was carried out at monthly intervals for 1 year. Results are tabulated in terms of bacteria per ml.

:wpa

M

Rose, M. (1957) 59-6408
Bull.Mus.Hist.nat., Paris, 29(2)Ser.2:
235-45

Description de copépodes nouveaux du plankton marin de Nha-Trang (Viet-Nam) (Description of new copepods of the marine plankton of Nha-Trang, Viet-Nam)

Taxonomic description of Mazellina gen. nov. & Mazellina galleti nov.sp. (Issued as Contr.Inst.océanogr., (29)).

FAO:hr

M

Rose, M. (1957) 59-6409
Bull.Mus.Hist.nat., Paris, 29(4)Ser.2:
328-36

Description de copépodes nouveaux du
plankton marin de Nha-Trang (Viet-Nam)
(Description of new copepods of the
marine plankton of Nha-Trang; Viet-Nam)

Taxonomic descriptions of Mazellina
bulbifera & M. ornata. (Issued as
Contr.Inst.océanogr., (30)).

FAO:hr

M

Berry, F.H. (1959) 59-6412
Bull.Fla St.Mus., 4:205-50
Boarfishes of the genus Antigonia of
the western Atlantic

A. combatia from the western Atlantic
& the deeper-bodied A. capros from
the western Atlantic & the Indo-Pacific
are described, ill. & compared
with other nominal forms from the Indo-
Pacific. Appreciable individual &
geographic variation characterizes A.
combatia & apparently also exists in
A. capros.

FAO:hr

M

Pax, F. & I. Müller (1957) 59-6410
Notes Inst.océanogr.Nhatrang, (46):40 p.
Zoantharien aus Viet-Nam.
(Zoanthairs of Viet-Nam)

Describes 7 new spp. belonging to
families Zoanthidae & Epizoanthidae.

FAO:dr

M

Vilela, H. & 59-6413
M.C. Monteiro (1958)
Notas Estud.Inst.Biol.Marit., (20):20 p.
Infestação de mexilhões Mytilus edulis
L., do rio Tejo pelo copépode Mytilicola
intestinalis Steur (Infestation of
the edible mussel Mytilus edulis L., of
the Tagus river by the copepod Mytili-
cola intestinalis Steur)

A study of samples of individuals of
different sizes - 5 to 65 mm long &
collection of data on temperature,
salinity & surface movements of the
estuary water indicated the percentage
of infested individuals, by size,

Dawson, E.Y. (Ed.) (1959) 59-6411
Pacif.Nat., 1(5):40 p.
William H. Harvey's report on the
marine algae of the United States
North Pacific exploring expedition of
1853-1856

Publication of a paper prepared in
1858/59, from which diagnoses in
latin had been published in 1859 as
Proc.Amer.Acad.Arts.Sci., 4:327-34,
under the title: Characters of new
algae, chiefly from Japan and adjacent
regions collected by Charles Wright of
the North Pacific Exploring Expedition
under Captain John Rogers. Lists the
spp. & gives morphological notes on some
FAO:glk

M

59-6413
(Card 2)
number of parasites by individual,
sex rate of parasites & environmental
relations to the parasitism.

FAO:hr

MF

IHB (1959) 59-6415
Int.hydr.Bull., (6):164-204

Contains notes on activities of the Bureau & information on charts, sailing directions, lights, tides & currents, work carried out & projected & new charts & new editions of charts.

Lucas, C.E. (1959) 59-6418
Scot.Fish.Bull., (11):8-9
A new fisheries convention

Note on the signature in January 1959 of Fishery Convention for the N.E. Atlantic. Summary of its aims & provisions.

FAO:glk

M

FAO:sjh

M

Voss, G.L. (1957) 59-6416
Quart.J.Fla Acad.Sci., 20:129-32
Observations on abnormal growth of the arms and tentacles in the squid genus Rossia

Description of collections of these deepwater benthic sepiolids, Rossinae, taken by ATLANTIS, 1938-39 around coast of Cuba.

Fraser, J.H. (1959) 59-6419
Scot.Fish.Bull., (11):10-3
The importance of plankton in maintaining fish stocks

General ill. article; refers to seasonal cycles, & grazing of herbivores, predators on fish larvae.

FiB:sjh

M

FAO:sjh

M

Parrish, B.B. (1959) 59-6417
Scot.Fish.Bull., (11):2-8
Scottish herring fishery forecast for 1959 and review of Scottish North Sea herring fishery in 1958

Abundance & locality prediction; effort & catch per unit effort charts for 1958.

Fraser, J.H. (1959) 59-6420
Scot.Fish.Bull., (11):14
Deadly plant found in the sea

Corrections to inaccurate newspaper reports of effects of Gymnodinium blooms; culture of these dinoflagellates

FAO sjh

M

FAO:sjh

M

Mason, J. (1959) 59-6421
Scot.Fish.Bull., (11):15-7
The cod's 'poor relations'

Notes on abundance, distribution & biology of bib, poutassou, poor cod & Norway pout.

FAO:sjh

M

Holliday, F.G.T. (1959) 59-6424
Scot.Fish.Bull., (11):20
News items

Short notes on distribution in Scottish waters of Velella, & on observations in tanks of the way in which struggles by Clupea harengus enhance its entanglement in gill nets.

FAO:sjh

M

Jones, R. (1959) 59-6422
Scot.Fish.Bull., (11):18
Fluctuations in the North Sea haddock stocks - II

Discusses possible effects on the fishery of the very poor 1956 & 1957 year-classes of Melanogrammus aeglefinus.

FAO:sjh

M

Strasburg, D.W. (1958) 59-6425
Fish.Bull., U.S., 58:335-61
Distribution, abundance and habits of pelagic sharks in the Central Pacific Ocean

Reproduction, morphometry, taxonomy; relation of abundance to temperature, longitude, depth, season, latitude; sex ratios; data for Pterolamiops longimanus, Carcharhinus melanopterus, Bulamia floridanus, Prionace glauca, Galeorhinus gyoferus, Isurus glaucus, Lamna ditropis, Alopias spp. & Sphyrna spp.

FAO:sjh

M

Rae, B.B. (1959) 59-6423
Scot.Fish.Bull., (11):19
The Greenland shark

Note on reappearance of the sp. in North Sea & Faroes area, & capture of specimens in 1958/59 by Aberdeen trawlers; possible relation of distribution to temperature changes.

FAO:sjh

M

Yamashita, D.T. (1958) 59-6426
Fish.Bull., U.S., 58:253-78
Analysis of catch statistics of the Hawaiian skipjack fishery

All available records summarised for 1900-1953 relating to Katsuwonus pelamis & its associated live-bait fishery. (Stolephorus purpureus & Prionace insularum mainly). Catches by areas, years, seasons, weights, values, catch per trip, catch per unit quantity of bait; disposal of catches.

FAO:sjh

M

Barnard, J.L. (1959) 59-6427
Pacif.Nat., 1(3):3-12
Generic partition in the amphipod
family Cheluridae, marine wood borers

Diagnosis of the family, its genera &
spp., with discussion of distribution.

FAO:glk

M

Ghelardi, R.J. & 59-6430
E.W. Fager (1959)
Bull.ecol.Soc.Amer., 40:45
Species structure of the animal
community inhabiting Macrocystis
pyrifera Hodlfasts

"Abstr. of paper to be read at Session
on Marine Ecology (Chairman: E.W.
Fager) of Ecological Society of America,
17 June 1959." Study of cores taken by
diving off California.

GLK:sjh

M

Barnard, J.L. (1959) 59-6428
Pacif.Nat., 1(4):12-28
Liljeborgiid amphipods of southern
California coastal bottoms with a
revision of the family

Diagnosis of the family, its genera &
spp., with discussion of distribution.

FAO:glk

M

Enright, J.T. & 59-6431
E.W. Fager (1959)
Bull.ecol.Soc.Amer., 40:45
Preliminary report on a complex tidal
activity rhythm

"Abstr. of paper to be read at Session
on Marine Ecology (Chairman: E.W.
Fager) of Ecological Society of America,
17 June 1959." Field observations on
a burrowing intertidal amphipod,
California.

GLK:sjh

M

Watt, K.E.F. (1959) 59-6429
Canad.Ent., 91:129-44
A mathematical model for the effect of
densities of attacked and attacking
species of the number attacked

Assumptions underlying 5 classical
mathematical models of host-parasite &
predator prey population dynamics are
inadequate to account for published
data. A new model has been developed &
tested against available data for
insects. Methods of obtaining parameter
values for the model from field &
laboratory data are outlined & ill.

SJH:sjh

G

Wohlschlag, D.E. (1959) 59-6432
Bull.ecol.Soc.Amer., 40:45-6
Metabolism of an Antarctic fish

"Abstr. of paper to be read at Session
on Marine Ecology (Chairman: E.W.
Fager) of Ecological Society of America,
17 June 1959." O₂ consumption of
Trematomus bernacchii from McMurdo Sound;
laboratory studies, comparison with
other cold-adapted fishes.

GLK:sjh

M

Packer, W.C. (1959) 59-6433
Bull. ecol. Soc. Amer., 40:47
Spatial localization in the newt,
Taricha rivularis

"Abstr. of paper to be presented at
Session on Comparative Behaviour
(Chairman: N.E. Collias) of meeting
of Ecological Society of America,
17 June 1959." A field study has shown
that members of this sp. return each
year to same region of stream to breed
& rarely enter at other points even
following translocation. Ability to
orient within a restricted area toward
the site of their capture has been
demonstrated.

GLK:sjh

F

Reese, E.S. (1959) 59-6434
Bull. ecol. Soc. Amer., 40:48
Shell selection by hermit crabs

"Abstr. of paper to be presented at
Session on Comparative Behaviour
(Chairman: N.E. Collias) of meeting
of Ecological Society of America,
17 June 1959." Field & laboratory
observations of Pagurus spp. in Florida.

GLK:sjh

M

Whitney, R.R. (1958) 59-6435
Iowa St. Coll. J. Sci., 33(1):55-79
Numbers of mature walleyes in Clear
Lake, Iowa, 1952-3, as estimated by
tagging

Detailed account of Stizostedion v.
vitreum tagging experiment. Tag loss
rates; selectivity of capture for
tagging; estimates of mortality &
movement rates.

SJH:sjh

F

Scott, J.P. (1958) 59-6436
Univ. Chicago Press, 281 p.
Animal behavior

General text describing methods of
study & discussing such topics as
anatomical, physiological genetic
basis of behavior, learning, the
organization of behavior, social
aspects of behavior, the language of
animals, behavior & environment, &
behavior & evolution.

FAO:hr

MF

Heuvelmans, B. (1958) 59-6437
Paris, Librairie Plon, 498 p.
Dans le sillage des monstres marins.
I. Le kraken et le poulpe colossal
(On the track of marine monsters.
I. Giant octopuses and squids)

An ill. popular book on legends &
present knowledge on cephalopods.

FAO:hr

M

Hvass, H. & 59-6438
J. Guibé (1958)
Paris, Fernand Nathan, 111 p.
Les poissons (Fishes)

A coloured ill. list, in systematic
order, of interesting fish spp. with
brief description & habitat notes.

FAO:efa

MF

Zoological Society of India (1959) 59-6439
Yearb. zool. Soc. India, 1957-58.80 p.

List of fellows & members, executive council, office-bearers, proceedings of annual general meeting with reports of editor, branches & affiliated bodies, & presidential address; accounts, history constitution & regulations of the Society & list of its publications.

GLK:glk

MF

Baranov, I.V. (1959) 59-6442
C.R.Acad.Sci.U.R.S.S., 126:1082-3
 Gidrokarbonatnye koefitsienty v vodalakh nekotorykh rek SSSR
 (The hydrocarbonaceous coefficients of the waters of certain rivers of the USSR)

Annotation to follow.

FAO:

F

Dunstan, D.J. (1959) 59-6440
Tech.Pap.Div.Fish.C.S.I.R.O., (5):20-1.
 The barramundi Lates calcarifer (Bloch) in Queensland waters

General account of the distribution & biology of L. calcarifer, dealing with feeding habit, length-weight relation, age determination & growth rate, & reproduction; catches taken are discussed as evidence of abundance, & fishing methods are described.

FAO:glk

MF

Abrikosov, G.G. (1959) 59-6443
C.R.Acad.Sci.U.R.S.S., 126:1139-40
 K voprosu o geograficheskom rasprostranenii pokrytorotnykh presnovodnykh mshanok (A contribution to the problem of the geographic distribution of the Phylactolaemata of sweet water Bryozoa)

Annotation to follow.

FAO:

F

India. Ministry of Food & Agriculture (1958) 59-6444
Indian Fish.Bull., 5(1):43 p.

Contains brief notes - some original, some brief digest of published work - on developments & research in fisheries in India, followed by digests of articles published outside India on non-Indian fisheries.

FAO:glk

MF

Rochford, D.J. (Comp.)(1959) 59-6444
Oceanogr.Sta.List, 37:96 p.
 Hydrological investigations from F.R.V. PERMENT HUNTER, 1957

Tables giving, for each station, date, time, & position, depths of water sampling, & for each sample temperature, chlorinity, O₂ content & percentage saturation, σ_t & total phosphate.

GLK:glk

M

Haeggblom, L.-E. (1959) 59-6445
Mitt.int.Verh.Limnol., (10):24 p.
 A thermistor thermometer which reads to
 the nearest 0.01°C in the field.
 De

Describes construction & use of this
 instrument; its properties, results of
 laboratory & field tests in Swedish
 lakes.

SJH:sjh

FG

Nun, M. (1959) 59-6448
Fish.Bull., Haifa, (19):4-6
 (Chapters on the expansion of Israel
 fishing in lake Tiberias). Iw

SJH:

F

Landahl, H.D. (1957) 59-6446
Bull.math.Biophys., 19:171-86
 Population growth under the influence
 of random dispersal

Author had previously developed an
 approximation method for the solution of
 diffusion & related problems - Bull.
math.Biophys., 14:49, 1953 -. Simple
 linear expressions are substituted for
 the correct solution.

:hdl

G

White, J.H. & 59-6449
 B. Komarovsky (1959)
Fish.Bull., Haifa, (19):6-9
 (The use of copper naphthenate and
 other copper soaps for the treatment
 of fishing nets). Iw En

Full translation of a technical
 paper presented by the authors to the
 5th meeting of the GFCM in Rome, 1958.

SJH:jhw

M

Schulte, A. (1957) 59-6447
Z.vergl.Physiol., 39:432-76
 Transfer- und Transpositionsversuche
 mit monokular dressierten Fischen
 (Experiments on transfer and
 transposition with monocularly trained
 fishes)

Carassius vulgaris were trained to
 discriminate monocularly between 2
 visual stimuli.

:as

F

Chervinsky, J. (1959) 59-6450
Fish.Bull., Haifa, (19):10-4
 (A systematic and biological
 comparison between the lizard fish,
Saurida grandisquamis, from the
 Mediterranean and the Red Sea).
Iw En

Systematic & biological studies of
 this Indo-Pacific spp. Meristic
 & morphometric differences, life-
 histories, spawning times, food.

SJH:sjh

M

Carmel, J. (1959) 59-6451
Fish.Bull., Haifa, (19):15, 16-9
 (Tuna fishing on F.V. SHIFIO MARU).
Iw

Tabulates & discusses data for
 yellowfin, big-eye, dharma, albacore,
 bluefin & black marlin.

SJH:sjh

M

Ben-Yami, M. (1959) 59-6454
Fish.Bull., Haifa, (19):22-30
 (Trawler and trawl gear in action).
Iw En

Report on the study of the
 Mediterranean trawl gear carried
 out in Israel 1956-1958. Abstr. of
 this paper will be given in the
 next issue.

SJH:mb

M

Ben-Tuvia, A. (1959) 59-6452
Fish.Bull., Haifa, (19):16-7
 (Know your fish). Iw

Ill. with names & short notes on
Phycis, Sarda, Conger, Euthynnus,
Angilla (Muraena) & Peristedion spp.

SJH:sjh

M

Bates, M. & 59-6455
 D.P. Abbott (1958)
New York, Charles Scribner's Sons,
 254 p.

Coral islands - Portrait of an atoll

Popular account of a survey of Ifaluk
 island in the Carolines group; notes
 on fish are incl.

FAO:glk

M

Bernstein, D. (1959) 59-6453
Fish.Bull., Haifa, (19):20-2
 (Experiments with the Danish trawl net
 on R.F.V. HAZNI). Iw

SJH:

M

Carpovich, E.A. (1958) 59-6456
New York, Tech.Dictionaries Co., 398 p.
 Russian-English biological & medical
 dictionary

Contains 35,000 Russian entries in
 general biology, botany, zoology,
 medicine & agriculture, arranged in
 Russian alphabetical order.

FAO:glk

MF

Defant, A. (1958) 59-6457
Ann Arbor, Univ. Michigan Press, 121 p.
Ebb and flow - The tides of earth,
air, and water

Semi-popular account of tides, their
nature, the means of measuring them,
the forces by which they are generated,
their origin, their manifestations in
seas & oceans, internal tides, tidal
oscillations in the atmosphere & in the
ionosphere, & tides on land. 1st
published as "Ebbe & Flut des Meeres und
Atmosphäre und der Erdfeste", 1953.

FAO:glk

M

California University. 59-6460
Scripps Institution of
Oceanography (1959)
Quart.Progr.Rep.STOR, (6):17 p.

Progress report dealing with analysis
of existing data, especially tuna
availability in relation to
oceanographic factors; sea level
oscillations, instrumentation - tide
gauges, anchored stations, tele-
recording, bathythermometer;
evaluation of phytoplankton production
measurements.

GLK:sjh

M

Stommel, H. (1958) 59-6458
Berkeley, Univ. California Press, 202 p.
The Gulf stream - A physical and
dynamical description

Historical introduction & observation
methods; geostrophic relations, large-
scale features of North Atlantic
circulation, hydrography of the stream,
& the wind system over the North
Atlantic; linear & non-linear theories
of the stream, & meanders in it,
fluctuations in its currents, the role
of the thermohaline circulation.

GLK:glk

M

Hong Kong. Director of 59-6461
Agriculture, Fisheries &
Forestry (1958)
Hong Kong, Government Press, 128 p.
Annual departmental report for the
financial year 1957-58

Incl. report of the marine, fresh-
water & oyster culture sections of
the Fisheries Division; dealing with
research, exploration, training,
credit, statistics, fishing
activities, boats, legislation &
certification. Appendices tabulate
statistical data regarding production
& trade by spp., year, season, type

Australia. Commonwealth 59-6459
Bureau of Census & Statistics (1959)
Statist.Bull.Fish.Whal.Aust., 1957-58
(4):18 p.

Tables, graphs & notes; data grouped
as fish, crustacean & molluscs; pearl
shell & trochus; whaling. Values &
quantities of catch, processing, boats
& equipment in use; production by spp.,
states.

FAO:sjh

M

59-6461
(Card 2)
of fishing unit, vessel inventory, &
incl. charts of fishing areas.

FAO:sjh

MF

Cviić, V. (1959) 59-6463
Morsk.Ribarst., 11:90-2
Produktivnost mora (Productivity
of the sea). En

Problem in question is dealt with in a general way, later to be treated in connection with the Adriatic. Preliminary investigations show that the productivity is not the same in all regions, & that it is greater in the coastal region. A better organization of the fishing equipment, discovery of new fishing grounds & increase in the number of kinds of utilized sea

59-6465
(Card 2)
as possible the losses resulting from various causes, of which weak rope is one. Contains a description of Stojnić's experiences & of his method of work in preventing & reducing the losses.

FAO:vk

II

59-6463
(Card 2)
organisms should bring about greater yields.

FAO:vc

II

Grubišić, F. (1959) 59-6467
Morsk.Ribarst., 11:95-6
Kočarenje sa dva broda (Trawling
with two ships). En

According to the author, the advantages of this kind of fishing are obvious, for the nets can be used in full measure & permanently, while also smaller craft are able to fish in deep water & also with much larger nets. In the sequence he explains what the vessels, equipment & method of work should be.

FAO:fg

II

Križanec, V. (1959) 59-6465
Morsk.Ribarst., 11:94-5
O novoj tehnici gajenja kamenica u
Limskom kanalu (A new oyster
breeding technique in the Lim channel).
En

This well-known oyster breeding expert presents in this article the results achieved in the Lim channel by using a new oyster breeding technique on the western coast of Istria in the Lim channel. I. Stojnić, who is working in this breeding ground, is performing experiments aiming at reducing as much

Grubišić, F. (1959) 59-6468
Morsk.Ribarst., 11:105-7
Eksperimentiranje i tehnika ribolova
(Experimentation and fishing
technique). En

Deals in a general way with investigations of the sea & the role of science in such investigations, stressing their necessity.

FAO:fg

II

Basioli, J. (1959) 59-6469
Morsk.Ribarst., 11:118-9
Ribarstvo Crnogorskog primorja
(Fisheries on the Montenegro littoral)
En

A survey of the conditions,
potentialities & kind of the fisheries
in this part of the Adriatic. States
that the occurrence of sardines in
these waters is habitual, but that
there are marked fluctuations in
respect of the strength of the
schools.

FAO:jb

M

Toner, E.D. (1959) 59-6472
Salm.Trout Mag., (156):104-10
Predator and prey relationships

Consideration of relative growth
rates, fecundities, survival &
behaviour of Esox lucius & Salmo
trutta.

FAO:sjh

F

U.S. Naval Research 59-6470
Laboratory (1959)
Washington, D.C., 63 p.
Report of NRL progress

Contains (p. 54) progress report on
development & trials of shipboard
data-recording equipment for use in
digital signal processing of under-
water acoustics studies.

FAO:sjh

MG

Richards, C. (1959) 59-6473
Salm.Trout Mag., (156):111-7
Some thoughts by the Wye

Article on the prospects of the
fisheries in this Welsh river.

FAO:sjh

F

Went, A.E.J. (1959) 59-6471
Salm.Trout Mag., (156):95-103
Historical notes on some ancient
fishing engines in Ireland - II.

Continues descriptions of fishing
weirs on various rivers, used for
catching Salmo salar.

FAO:sjh

MF

Godden, R.A. (1959) 59-6474
Salm.Trout Mag., (156):118-23
Twenty years after

Account of a fishing trip, with notes
on the state of the inland fisheries
in that country.

FAO:sjh

F

Grey, L. (1959) 59-6475
Salm.Trout Mag., (156):124-9
 A kerry fishery

Account of the salmon fishery
 in Caragh river, Irl.

FAO:sjh

F

Netherlands. Centraal 59-6478
 Bureau voor de Statistiek (1959)
Zeist, 34 p.

Statistiek van de visserij 1958
 (Fishery statistics, 1958)

Tables, diagrams & analytical notes:
 fishing craft & manpower, production -
 herring, trawl, shellfish, freshwater,
 landings by gear, area & type of craft,
 fishing effort -, processing & trade,
 prices & values; whaling.

FAO:sjh

MF

Brown, M.E. (1959) 59-6477
Salm.Trout Mag., (156) 134-7
 Biological notes

Notes on territories and competition
 among young trout and salmon
 Pacific salmon.

FAO:sjh

F

Martín Salazar, F. (1958) 59-6479
Bol.Pesca Venez., (5):24 p.

Actividades de la pesca e industria de
 la sardina durante los años 1956 y
 1957 (Sardine fishing and
 industrial activities during 1956 and
 1957)

A review of the fisheries during
 1956/57 ill. by maps of fishing
 grounds & landings & processing
 statistics.

GLK:hr

M

Switzer, J. (1959) 59-6477
Abstr. Theses Univ. Reading 1957-58
 A survey of certain fauna of some
 littoral zones in Langstone and
 Chichester harbours

Nitrogen & sulphide contents of mud
 & their thixotropic & dilatant
 properties; fauna of half-metre
 quadrats, local variations being
 correlated with characteristics of the
 mud.

FiB:sjh

M

California University. 59-6480
 Scripps Institution of

Oceanography (1959)
Memor.Scripps Instn Oceanogr., 10 March,
 10 p.
 Memorandum

An ill. account of current research
 programmes of the Institution;
 cruise schedules & objectives.

FiB:sjh

M

Montén, E. (1959) 59-6483
Stockholm, 21 p.
 Salmon fishery in spite of hydro-
 electric developments

A general review of Salmo salar
 fishery, research, protection & culture

FAO:sjh

MF

Hanson, H.G. (1959) 59-6484
Science, 129:1354
 Fundamentals of ecology

Review of 59-6483.

FAO:

MF

Australia Commonwealth 59-6484
 Scientific & Industrial Research
 Organization (1958)
Canberra, 174 p.
 Tenth annual report of the Commonwealth
 Scientific and Industrial Research
 Organization for the year 1957-58

Incl. report on fisheries &
 oceanography, under headings: General;
 Operations of research vessels;
 Fisheries biology; Taxonomy &
 Embryology; Hydrology; Physical
 oceanography; Productivity;
 Zooplanktology; Marine fouling; Phyto-
 plankton; Biochemistry.

FAO:sjh

M

Harlow, H.F. & 59-6485
 C.N. Woolsey (1958)
Madison, Univ. Wisconsin Press, 476 p.
 Biological and biochemical bases of
 behaviour

Deals with symposium held at the
 University of Wisconsin. Presents
 initial papers, with some attention
 to other contributions.

:efa

G

Odum, E.P. (1959) 59-6485
Philadelphia, Saunders, 546 p.
 Fundamentals of ecology

A text book in 3 parts: I. Basic
 ecological principles & concepts; II.
 The habitat approach; III. Applied
 ecology. The ecosystem approach
 emphasized.

:efa

MF

Gerard, R.W. (1959) 59-6486
Science, 129:1355
 Biological and biochemical bases of
 behaviour

Review of 59-6485.

FAO:

G

<p>U.K. Salmon & Trout Association (1959) <u>Salm.Trout Mag.</u>, (155):70 p.</p> <p>Contains editorial notes, correspondence, papers & discussion at Association meetings, reports of committees, biological notes, accounts, book reviews.</p>	<p>Drury, R.E.H. (1959) 59-6487 <u>Salm.Trout Mag.</u>, (155):22-8 The rights of riparian owners in relation to river board activities</p> <p>A note on the situation in the U.K. Followed by discussion.</p>
<p>FAO:sjh MF</p>	<p>FAO:sjh F</p>
<p>Levinge, R. (1959) 59-6488 <u>Salm.Trout Mag.</u>, (155):9-12 The case for artificial propagation of salmon</p> <p>A discussion paper referring to <u>Salmo salar</u> fisheries in Ireland.</p>	<p>Fleming, P. (1959) 59-6491 <u>Salm.Trout Mag.</u>, (155):29-42 The prevention of poaching in lochs and rivers near main roads in Scotland</p> <p>Note on legislation & enforcement problems for Atlantic salmon & trout. Followed by discussion.</p>
<p>FAO:sjh MF</p>	<p>FAO:sjh MF</p>
<p>Frost, W.E. (1959) 59-6489 <u>Salm.Trout Mag.</u>, (155):13-21 The case for artificial propagation of salmon</p> <p>A discussion paper referring to <u>Salmo salar</u> & <u>Oncorhynchus</u> fisheries, & to 59-6488, followed by discussion.</p>	<p>Brown, M.E. (1959) 59-6492 <u>Salm.Trout Mag.</u>, (155):64-6 Biological notes</p> <p>Notes under headings: Spawning behaviour; Brown trout in small, acid streams.</p>
<p>FAO sjh MF</p>	<p>FAO sjh</p>

Enequist, P. (1959) 59-6493
Göteborgs Havsfiskeför.Åarsb., 1958,
285 p.
Årsbok 1958 (Yearbook 1958)

Annual report of the association,
nautical tables, Swedish fisheries
administration, review of fishery
regulations, various conversion tables,
fisheries statistics & various other
short notes for fishermen.

FAO:tl

M

Anonymous (1959) 59-6496
Mar.Obs., 29:86
State of sea photographs

State of sea photographs from force
1 to force 10, with request for
more photographs.

FAO:tl

M

L.B.P. (1959) 59-6494
Mar.Obs., 29:82-4
Ocean current observations

Instructions for ships on observing
surface currents with emphasis on the
accuracy of the observations
depending on the determination of
positions.

FAO:tl

M

Roll, H.U. (1958) 59-6497
Hamburg, 15 p.
Zur Niederschlagsmessung auf See:
Ergebnisse von Vergleichsmessungen
auf Feuerschiffen und benachbarten
Inseln (The measurement of
precipitation at sea: results of
comparative measurements obtained on
light-ships and neighbouring islands)

Review of the problem of the
measurement of precipitation at sea;
comparison of existing measurements
with measurements on island stations
& recommendations for future
improvement of the measurements.

:tl

M

Anonymous (1959) 59-6495
Mar.Obs., 29:84-5
The National Oceanographic Council -
Annual report

Summary of the following items of the
report: marine physics, marine
biology & the activities of RRS
DISCOVERY II.

FAO:tl

M

P.R.B. (1959) 59-6498
Mar.Obs., 29:87
The measurement of precipitation at
sea: results of comparative
measurements obtained on light-ships
and neighbouring islands

Review of 59-6497.

FAO:

M

Petri, O. (Comp.) (1958) 59-6499
Hamburg, 38 p.
 Statistik der Meereswellen in der
 Nordsee-auf Grund von Beobachtungen der
 Bordwetterwarten des Deutschen
 Wetterdienstes (North Sea wave
 statistics - based on observations of
 ship weather stations of the German
 Meteorological Service)

Presentation of statistics in
 graphical & tabular form &
 discussion of the results.

etl

M

feeding habits of the spp. &
 compares the fishes, their feeding
 habits & environments for both lakes
 to indicate their grouping by
 different biotopes.

FiB:hr

F

P.R.B. (1959) 59-6500
Mar.Obs., 29:88
 North Sea wave statistics - based on
 observations of ship weather stations
 of the German Meteorological Service

Review of 59-6499.

FAO:

M

Brehm, V. (1959) 59-6503
Résult.sci.Explor.hydrobiol.Kivu,
Eduard & Albert, 3(3):67-100
Cladocera. De

A taxonomic study encompassing also
 information on zoogeography of the
 spp., planktonic forms, biotopic
 classification of the spp. & their
 occurrence in the stomach of
 different spp. of fish in the lakes
 Kivu, Edward & Albert.

FiB:hr

F

Verbeke, J. (1959) 59-6501
Résult.sci.Explor.hydrobiol.Kivu,
Eduard & Albert, 3(3):1-66
 Le régime alimentaire des poissons des
 lacs Eduard et Albert (The feeding
 habits of fishes of lakes Edward and
 Albert)

Outlines the main groups of
 invertebrates of the lakes, & gives
 in tabular form, the results of
 studies of stomach & intestine contents
 of 17 spp. of lake Edward & 23 of lake
 Albert. Summarizes the results of the
 study in an attempt to establish the

Hincks, W.D. (1959) 59-6504
Résult.sci.Explor.hydrobiol.Kivu,
Eduard & Albert, 3(3) 101-6
Dermoptera. En

A list of 10 sp. with notes on
 distribution & abundance.

FiB:hr

F

Jacquemart, S. (1959) 59-6505
Résult.sci.Explor.hydrobiol.Kivu,
Eduard & Albert, 3(3):107-36
 Trichoptera du lac Albert
 (Trichoptera of lake Albert)

A taxonomic study of the spp. with tabular information of the distribution of the spp. in lakes Kivu, Edward & Albert.

FiB:hr

F

Vrydagh, J.-M. (1959) 59-6508
Résult.sci.Explor.hydrobiol.Kivu,
Eduard & Albert, 3(3):189-96
 Bostrychidae. Fr

A list of 6 spp. with notes on distribution from lakes Kivu, Edward & Albert.

FiB:hr

F

Chrispeels, A. (1959) 59-6506
Résult.sci.Explor.hydrobiol.Kivu,
Eduard & Albert, 3(3):137-80
 Larves de Chironomidae (Diptera Nematocera) (Larvae of Chironomidae - Diptera Nematocera)

The 1st part contains a morphological description of the most common groups of spp. of lakes Kivu, Edward & Albert & an identification key; the 2nd contains descriptions of the stations, with lists of the spp. collected. Some information on the vertical distribution of the benthic larvae is given. The importance of chironomid

Carlisle, D.B. & 59-6509
 F. Knowles (1959)
London, Cambridge Univ. Press, 120 p.
 Endocrine control in crustaceans

MF

59-6506
 (Card 2)
 larvae as food for fish is discussed.

FiB:hr

F

Naylor, E. & 59-6510
 D.J. Slinn (1958)
J.Anim.Ecol., 27:15-25
 Observations on the ecology of some brackish water organisms in pools at Scarlett Point, isle of Man

 Description of environmental characteristics of the pools. Qualitative & quantitative composition of the biota; habitat preferences of Idotea chelipes, Jaera nordmanni & J. albifrons, Gammarus duebeni & Procerodes ulvae.

FAO:sjh

MF

Edwards, R.L. (1958) 59-6511
J.Anim.Ecol., 27:37-45
 Movements of individual members in a population of the shore crab, Carcinus maenas L., in the littoral zone

Marking experiments - by clipping toothed carapace - in Southampton water gave movement, population densities & survival rates, size differences on shore & off-shore, by sexes.

FAO:sjh

M

Tucker, D.S. (1958) 59-6514
J.Anim.Ecol., 27:105-19
 The distribution of some fresh-water invertebrates in ponds in relation to annual fluctuations in the chemical composition of the water

14 month survey of 16 ponds in S. England; special reference to molluscs, leeches, flatworms, Gammarus & Asellus. Relation of distribution to water hardness & colour.

FAO:sjh

F

Orians, G.H. (1958) 59-6512
J.Anim.Ecol., 27:71-84
 A capture-recapture analysis of a shearwater population

Marking experiments on Procellaria puffinus breeding on Skokholm Island, S. Wales, gave population size of these predators on fish.

FAO:sjh

MG

Macan, T.T. (1958) 59-6515
J.Anim.Ecol., 27:159-61
 Reflections of an ecologist
 Critical review of 583430.

FAO:

G

Leslie, P.H. (1958) 59-6513
J.Anim.Ecol., 27:84-6
 Statistical appendix

Distribution & ecological notes on spp. studied in survey 1953-56 of 144 small lakes; relation of occurrence of some spp. to occurrence of aquatic weeds.

FAO:sjh

F

Swift, D.R. (1958) 59-6516
J.Anim.Ecol., 27:161
 Fish physiology

Critical review of 570207.

FAO:

MF

Votintsev, K.K. & 59-6517
 N.V. Verbolova (1959)
C.R.Acad.Sci.U.R.S.S., 126:650-3
 O vliianii sgonno-nagonnykh iavlenii i
 vnutrennykh voln na gidrokhimicheskii
 rezhim ozera Baikal (On the
 influence of internal waves and
 variations of the water level caused by
 the wind on the hydrochemical regime
 of lake Baikal)

Annotation to follow.

FAO:

F

Stavrovskii, A.S. (1959) 59-6520
C.R.Acad.Sci.U.R.S.S., 126:763-6
 Rasprostraneniye voln na granitse
 uprugogo poluprostvanstva
 vyzhyvaemykhvolnami zhidkosti v
 basseine so skachkoobrazno
 meniaiushcheisia glubinoi
 (Propagation of waves at the boundary
 surface of an elastic semispace,
 caused by wave motion in a liquid-
 filled basin in which the depth changes
 abruptly)

Annotation to follow.

FAO:

MG

Vladimirov, V.I. & 59-6518
 K.I. Semenov (1959)
C.R.Acad.Sci.U.R.S.S., 126:663-6
 Kriticheskii period v razvitii
 lichinok ryb (A critical period in
 the development of fish larvae)

Annotation to follow.

FAO:

MF

Lisitsyn, A.P. (1959) 59-6521
C.R.Acad.Sci.U.R.S.S., 126:863-6
 Novye dannye o raspredelenii i sostave
 vzveshennykh veshchestv v moriakh i
 okeanakh v sviazi s voprosami geologii
 (Recent data on the distribution and
 composition of substances in
 suspension in seas and oceans, viewed
 in connection with geologic problems)

Annotation to follow.

FAO:

M

Chinarina, A.D. (1959) 59-6519
C.R.Acad.Sci.U.R.S.S., 126:667-70
 Izmeneniye okraski treski Gadus morhua
morhua L., odinochnoi i v stae, v
 zavisimosti ot fona (Color
 variation in Gadus morhua morhua L.,
 both individual and in shoal, as
 dependent on the background)

Annotation to follow.

FAO:

F

U.S. Bureau of Sport 59-6522
 Fisheries & Wildlife. Branch
 of Fish Hatcheries (1958)
Statist.Dig.U.S.Fish Wildl.Serv., (42)
 44 p.
 Propagation and distribution of food
 fishes for the calendar year 1955-1956
 Tabulates the fish & fish eggs
 distributed by fish-cultural stations.

FiB:efa

F

Ewing, J. & 59-6523
M. Ewing (1959)
Bull.geol.Soc.Amer., 70(3):291-317
Seismic-refraction measurements in the
Atlantic ocean basins, in the
Mediterranean sea, on the mid-Atlantic
ridge, and in the Norwegian Sea

GA 1(4)1-886.

M

McKee, E.D., J. Chronic 59-6526
& E.B. Leopold (1959)
Bull.Amer.Ass.Petrol.Geol., 43(3):
501-62
Sedimentary belts in lagoon of
Kapingamarangi Atoll

GA 1(4)1-950. Systematic bottom
sampling in the lagoon of
Kapingamarangi Atoll, Caroline
Islands, indicates that sediments
accumulating there are of 6 principal
types, each characteristic of &
largely restricted to definite depth
limits.

M

Maldonado-Koerdell, H. (1958) 59-6524
Ciencia, 18(7-8):105-13
Recientes adelantos en geofísica y
geología submarinas en las áreas del
Oceano Pacífico próximas a México
(Recent progress in submarine
geophysics and geology in Pacific ocean
areas near Mexico)

GA 1(4)1-900.

M

McMurtrey, R.G. & al. (1959) 59-6527
Bull.Mont.Bur.Mines, (9):45 p.
Preliminary report on the geology and
water resources of the Bitterroot
valley, Montana, with a section on
chemical quality of water

GA 1(4)1-955.

F

Gorsline, D.S. & 59-6525
K.O. Emery (1959)
Bull.geol.Soc.Amer., 70(3):279-90
Turbidity-current deposits in San Pedro
and Santa Monica basins off Southern
California

GA 1(4):1-949.

F

World Fishing Boat 59-6528
Congress 2nd (1959)
FAO, Rome, 5-10 April 1959
Apers

Incl. prospectus, report, list of
participants, list of documents &
contributions to meeting of which
theme was fishing craft, performance
& sessions of which were conducted
under the headings: tactics;
construction, sea behaviour;
productivity. Contributions have
abstr. in English, French & Spanish.
Those of particular interest in

59-6526
(Card 2)
connection with resources studies &
fisheries assessments are annotated as
follows, 59-6530, 59-6531, 59-6549
59-6558, 59-6560 & 59-6573;
the others are cited only.

FiB:sjh

MC

De Wit, J.G. (1959) 59-6532
World Fish.Boat Congr., 2, Pap.no.3,
11 p.
Drift-netting: deck design and
equipment. Fr Es

FiB:x

Hardy, A.C. (1959) 59-6530
World Fish.Boat Congr., 2, Pap.no.1, 5 p.
Principal fishing boat types.
Fr Es

Gives a table of types of craft,
incl. research vessels, used in each
country.

FiB:sjh

Colvin, T.E. (1959) 59-6533
World Fish.Boat Congr., 2, Pap.no. 4,
15 p.
Gillnet fishing: deck design and
equipment. Fr Es

FiB:x

Svenkerud, H.(Comp.)(1959) 59-6531
World Fish.Boat Congr., 2, Pap.no.2, 6 p.
Nomenclature and symbols

A table of technical terms & units of
measurement used by naval architects.

FiB:sjh

MC

Kanasashi, Y., C. Doke 59-6534
& S. Ohigusa (1959)
World Fish.Boat Congr., 2, Pap.no. 5,
15 p.
Longline fishing: deck design and
equipment. Fr Es

FiB:x

Muramatsu, S. (1959) 59-6535
World Fish.Boat Congr., 2, Pap.no. 6,
13 p.
Pole and line fishing: deck design
and equipment. Fr Es

FiB:x

Hanson, H.C. (1959) 59-6538
World Fish.Boat Congr., 2, Pap.no. 9,
5 p.
Steel and wood scantling tables
(Western coast of U.S.A.). Fr Es

FiB:x

von Brandt, A. & 59-6536
C. Birkhoff (1959)
World Fish.Boat Congr., 2, Pap.no. 7,
15 p.
Trawling: deck design and equipment.
Fr Es

FiB:x

Simpson, D.S. (1959) 59-6539
World Fish.Boat Congr., 2, Pap.no. 10,
34 p.
Suggested standard scantlings.
Fr Es

FiB:x

Hardy, A.C. & 59-6537
H.E.H. Pain (1959)
World Fish.Boat Congr., 2, Pap.no. 8,
8 p.
Centralised control of trawlers.
Fr Es

FiB:x

De Labele, P.D. (1959) 59-6540
World Fish.Boat Congr., 2, Pap.no. 11,
17 p.
Glass reinforced plastic hulls.
Fr Es

FiB:x

Reay, G.A. & 59-6541
J.M. Shewan (1959)
World Fish.Boat Congr., 2, Pap.no. 12,
16 p.
The care of the catch. Fr Es

FiB:x

Stokke, I.B. (1959) 59-6544
World Fish.Boat Congr., 2, Pap.no. 15,
10 p.
Propulsion engines for fishing boats.
Fr Es

FiB:x

MacCallum, W.A. (1959) 59-6542
World Fish.Boat Congr., 2, Pap.no. 13
28 p.
The fish room - Engineering and
architecture. Fr Es

FiB:x

Hopwood, G. & 59-6545
M.W.H. Newse (1959)
World Fish.Boat Congr., 2, Pap.no. 16,
17 p.
Steam versus diesel. Fr Es

FiB:x

Slavin, J.W. (1959) 59-6543
World Fish.Boat Congr., 2, Pap.no. 14,
15 p.
Icing versus freezing. Fr Es

FiB:x

Süßerkrüb, F. (1959) 59-6546
World Fish.Boat Congr., 2, Pap.no. 17,
8 p.
Propulsion systems for motor trawlers.
Fr Es

FiB:x

Chardome, A. (1959) 59-6547
World Fish.Boat Congr., 2, Pap.no. 18,
10 p.
Recent trawlers fitted with multiple
reduction gears. Fr Es

FiB:x

Chapelle, H.I. (1959) 59-6550
World Fish.Boat Congr., 2, Pap.no.21,
15 p.
Comments on hull form design of
fishing boats. Fr Es

FiB:x

Inamura, H. & 59-6548
M. Nimoniya (1959)
World Fish.Boat Congr., 2, Pap.no. 19,
6 p.
Device for raising and lowering
propellers. Fr Es

FiB:x

Gillman, E.C. (1959) 59-6551
World Fish.Boat Congr., 3, Pap.no. 22,
10 p.
Model tests of some fishing launches.
Fr Es

FiB:x

Benford, H. & 59-6549
M. Kossa (1959)
World Fish.Boat Congr., 2, Pap.no. 20,
18 p.
An analysis of dimensions, weights
and costs. Fr Es

A general detailed analysis of factors
of vessel size.

FiB:ajh

IG

Lackenby, H. (1959) 59-6552
World Fish.Boat Congr., 2, Pap.no. 23,
17 p.
Review of B.S.R.A. trawler research.
Fr Es

FiB:x

Tothill, J.T. (1959) 59-6553
World Fish.Boat Congr., 2, Pap.no. 24,
18 p.
An advanced hull and propeller design.
Fr Es

FiBox

Möckel, W. (1959) 59-6556
World Fish.Boat Congr., 2, Pap.no. 27,
18 p.
Behaviour of trawlers at sea - II.
Fr Es

Dickson, W. (1959) 59-6554
World Fish.Boat Congr., 2, Pap.no. 25,
11 p.
The loads imposed by trawling gear.
Fr Es

Tabulation of towing performance of 2
trawlers of very different sizes.
Measurements of drag on gear, developed
horse-power, & speed; discussion of
these.

FiB:sjh

M

Zwolsman, W. (1959) 59-6557
World Fish.Boat Congr., 2, Pap.no. 28,
5 p.
Remarks on the shape of Dutch coastal
fishing boats. Fr Es

FiBox

Vossers, G. (1959) 59-6555
World Fish.Boat Congr., 2, Pap.no. 26,
14 p.
New perspectives in sea behaviour.
Fr Es

FiBox

van Manen, J.D., G. Vossers 59-6558
& H. Rijken (1959)
World Fish.Boat Congr., 2, Pap.no. 29,
8 p.
Tests with a trawler model in waves.
Fr Es

Incl. measures of trawling speeds &
drag, & discussion of these.

FiB:sjh

M

Traung, J.-O. (1959) 59-6559
World Fish.Boat Congr., 2, Pap.no. 30,
14 p.
The prismatic coefficient. Fr Es

FiB:x

Takagi, A. (1959) 59-6562
World Fish.Boat Congr., 2, Pap.no. 33,
12 p.
Notes on stability. Fr Es

FiB:x

Doust, D.J. (1959) 59-6560
World Fish.Boat Congr., 2, Pap.no. 31,
11 p.
Trawler forms with bulbous bows.
Fr Es

FiB:x

Paulling, J., Jr. (1959) 59-6563
World Fish.Boat Congr., 2, Pap.no. 34,
12 p.
Transverse stability of tuna clippers.
Fr Es

FiB:x

Taniguchi, K. (1959) 59-6561
World Fish.Boat Congr., 2, Pap.no.32,
9 p.
Tests of fishing boat models in waves.
Fr Es

FiB:x

Jablonski, O. (1959) 59-6564
World Fish.Boat Congr., 2, Pap. no.35,
10 p.
A method to determine freeboard in
relation to stability. Fr Es

FiB:x

Mendel, K. (1959) 59-6565
World Fish. Boat Congr., 2, Pap.no. 36,
16 p.
Safety from capsizing. Fr Es

Beach, D.D. (1959) 59-6566
World Fish. Boat Congr., 2, Pap.no. 39,
8 p.
Commercial outboard fishing craft.
Fr Es

Incl. description of the hydrographic
conditions.

FiBasjh

M

Miller, Wm.C. (1959) 59-6566
World Fish. Boat Congr., 2, Pap.no. 37,
11 p.
Causes of accidents. Fr Es

Otsu, Y., H. Yokoyama 59-6569
& T. Kobayashi (1959)
World Fish. Boat Congr., 2, Pap.no. 40,
10 p.
Traditional Japanese small fishing
craft. Fr Es

FiB:x

Gurtner, P. (1959) 59-6567
World Fish. Boat Congr., 2, Pap.no. 38,
16 p.
Development of a boat for India's surf
coasts. Fr Es

Ringhaver, L.C. (1959) 59-6570
World Fish. Boat Congr., 2, Pap.no. 41,
9 p.
Design and mass production of shrimp
trawlers. Fr Es

FiB:x

FiB:x

Serllett, E.C.B. & J. Venus (1959) 59-6571
World Fish.Boat Congr., 2, Pap.no. 42,
 10 p.
 Development of a trawler of unorthodox
 design. Fr Es

Nakata, T. (1959) 59-6574
World Fish.Boat Congr., 2, Pap.no. 45,
 10 p.
 Diesel whale catchers. Fr Es

FiB:x

Boogaard, P. (1959) 59-6572
World Fish.Boat Congr., 2, Pap.no. 43,
 7 p.
 The Netherlands post-war fishing
 fleet. Fr Es

Sato, S. (1959) 59-6575
World Fish.Boat Congr., 2, Pap.no.46,
 17 p.
 Modern refrigerated factory ships
 in Japan. Fr Es

FiB:x

FiB:x

Heinsohn, H. (1959) 59-6573
World Fish.Boat Congr., 2, Pap.no. 44,
 15 p.
 Design studies for stern trawlers.
 Fr Es

Swiecicki, J. (1959) 59-6576
World Fish.Boat Congr., 2, Pap.no.47,
 16 p.
 Choice of boat type and size for
 Polish deep-sea fisheries.
 Fr Es

Analyses trends of development in
 world fisheries; criteria of choice
 of vessel for specific production
 conditions; approximate, statistical,
 & graphical methods for analysis &
 correlation of parameters of vessel,
 distance to grounds, crew size, daily
 catch, etc.
 FiB:sjh M

FiB:x

Mallo, G.C. (1959) 59-6577
World Fish.Boat Congr., 2, Pap.no. 48,
11 p.
Propulsion and processing machinery
for deep-sea trawlers. Fr Es

FiBox

Foderá, V., A. Cambiano 59-6580
& R. Sará (1959)
World Fish.Boat Congr., 2, Pap.no. 1,
11 p.
Des bateaux de pêche siciliens
specialisés (Specialized
Sicilian fishing boats). En Es

FilBox

Guerroult, E.R. (1959) 59-6578
World Fish.Boat Congr., 2, Pap.no.49,
Navire français de grande pêche salée
(French salt-fish trawlers).
En Es

FiBox

Ghigi, A. (1959) 59-6581
Ric.sci., 29:905-29
Protezione della natura e parchi
nazionali nel giro del mondo boreale
(Protection of wild life and national
parks in a flight through the northern
hemisphere). En Fr De

Account of visit to museums, aquaria
& national parks in USA, Japan,
Philippines, Thailand, Burma, India
& Nepal.

FAO:glk

MF

Doust, D.J. (1959) 59-6579
World Fish.Boat Congr., 2, Pap.no. 50,
11 p.
Statistical analysis of resistance data
for trawlers. Fr Es

FiBox

Anonymous (1959) 59-6582
Fish.News Lett.Aust., 18(5):5
"Red tide" in Port Phillip Bay
Note on this occurrence in Victoria,
Australia.

GLK:glk

1

Sket, B. (1959) 59-6583
Bull.sci.Youg., 4:105-6
 Einige neue Formen der Malacostraca
 aus Jugoslawien - II (New
 Malacostraca from Yougoslavia - II)

Ill. description of Asellus pavani
dominatus sp.nov., & new spp. of
Monolistra berica, Niphargus aquilex &
N. orcinus.

FAO: sjh

F

Buljan, M. (1959) 59-6586
Bull.sci.Youg., 4:111
 Evidence of non-adiabatic (volcanic)
 warming of the deep waters of a sea

XVith general assembly of the
 International Commission for the
 Scientific Investigation of the
 Mediterranean, Monaco, 20th-25th
 October, 1958.

FAO:

M

Ozihak, G. & 59-6584
 H. Zei (1959)
Bull.sci.Youg., 4:110
 Photography, television and the use
 of bottom sampler, compared as
 methods for quantitative analyses of
 benthic populations

Summary of a report read before the
 16th assembly of CIESM in Monaco,
 October 1958.

FAO:

MF

Georgiev, M. (1957) 59-6587
Folia balc., 1:39-49
 Uber die Hydrachniden des Ohridsee-
 Bassins (On the hydrachnids of the
 lake Ohrid basin)

List of known spp., author found
 45 spp. of which 16 are new to
 Macedonia & 22 to the basin.

sjh

F

Marinković, M. & 59-6585
 H. Zei (1959)
Bull.sci.Youg., 4:110-1
 The nutritive value of fish flesh
 considered in relation to the ecology
 of fishes

Summary of a report read before the
 16th assembly of CIESM in Monaco,
 October 1958.

FAO:

MF

Karaman, S. (1957) 59-6588
Folia balc., 1(7):35-8
 Eine neue Ingolfiella aus Jugoslawien,
Ingolfiella petkovskii n.sp.
 (A new Ingolfiella in Yugoslavia,
Ingolfiella petkovskii n.sp.)

Description of ground-water form.

sjh

F

Collier, A., K.H. Drummond 59-6589
 & G.B. Austin, Jr. (1958)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (249):417 p.

Gulf of Mexico physical and chemical
 data from ALASKA cruises - with a note
 on some aspects of the physical
 oceanography of the Gulf of Mexico

Tables incl. observations on salinity,
 temperature, sigma-t, nitrate-nitrite
 nitrogen, total phosphorus, inorganic
 phosphorus, "carbohydrates", and
 "proteins". Some special data on the
 uranium & phosphorus content of
 certain water samples & sediments

Worthington, E.B. (1958) 59-6592
Hertford, S.Austin & Sons Ltd., 468 p.
Science in the Development of Africa

Part I deals with principles &
 generalities; part II with the
 physical background; part IV with
 human subjects; part III, dealing with
 biological subjects, contains chapter
 on fisheries, marine & inland,
 describes the problems & reports
 research to solve them.

GLK:glk

MF

59-6589
 (Card 2)

are incl. A brief introduction incl.
 remarks on the physical oceanography
 of the Gulf of Mexico & the study of
 organic compounds.

GLK:glk

M

Grabda, E., J. Rozar 59-6593
 J. Grabda (1953)
Parasitologia, 140 p.

Parasitologia - parasitologists in
 Poland

A general review of progress in
 parasitological science in Poland
 containing lists of institutions,
 research workers & the problems,
 prepared on account of the 10th
 anniversary of the foundation of the
 Polish Parasitological Society;
 has alphabetical index showing
 institutions & workers - by reference

Hine, R.L. (Ed.) (1959) 59-6591
Wisconsin Conserv.Dep., Madison, 104 p.
Research in Wisconsin - A technical
digest of research results in fish,
forest and game management (1957-58)

Reports, by the research workers
 engaged, of investigations on trout -
 population study, habitat evaluation -
 warm-water spp. - population study,
 general biology -, pathology &
 nutrition of fishes, & ecology &
 physiology of lake fishes; objectives
 & procedures are generally given for
 each project.

WAD:glk

F

59-6593
 (Card 2)
 numbers - concerned with fish
 parasites.

GLK:eg

MF

<p>Poulsen, E.M. (1959) 59-6595 <u>Halifax, N.S. Canada, 4 p.</u> <u>ICNAF newsletter no. 32</u></p> <p>Contains current information about activities of ICNAF & its committees, publications, news of fishing operations in the NW Atlantic as known at date of issue, 8 July 1959.</p> <p>FiB:sjh II</p>	<p>Anonymous (1959) 59-6598 <u>New Scient., 5:888-9</u> <u>Robot weather men for the South</u></p> <p>Note on Melbourne symposium on Antarctic meteorology, & the use of ship-borne & automatic weather stations in the Southern Ocean.</p> <p>FAO sjh M</p>
<p>Portugal. Direcção das 59-6596 Pescarias (1958) <u>Lisboa, Ministério da Marinha, 57 p.</u> <u>Estatística das pescas marítimas no continente e ilhas adjacentes no ano de 1956</u> (Marine fisheries statistics for the continent and adjacent islands in 1956)</p> <p>Production of fish, molluscs, crustaceans & cetaceans by spp., months, area & method of capture; vessels constructed & operating; number of fishermen employed. Incl. data for brackish waters.</p> <p>FAO:sjh MF</p>	<p>Anonymous (1959) 59-6599 <u>New Scient., 5:906</u> <u>Robot helmsman for trawlers</u></p> <p>Note on trial of an automatic steering device.</p> <p>FAO sjh M</p>
<p>Portugal. Direcção das 59-6597 Pescarias (1958) <u>Lisboa, Ministério da Marinha, 57 p.</u> <u>Estatística das pescas marítimas no continente e ilhas adjacentes no ano de 1957</u> (Marine fisheries statistics for the continent and adjacent islands in 1957)</p> <p>Production of fish, molluscs, crustaceans & cetaceans by spp., months, area & method of capture; vessels constructed & operating; number of fishermen employed. Incl. data for brackish waters.</p> <p>FAO:sjh MF</p>	<p>Anonymous (1959) 59-6600 <u>New Scient., 5:929</u> <u>Deep-sea crawler</u></p> <p>A short note on an unidentified non-swimming fish reported by Scripps Institution from deep water off West Mexico.</p> <p>FAO:sjh M</p>

Biebl, R. (1959) 59-6601
 Bot.mar., 1(1-2):2-14
 Zellphysiologische Beobachtungen an
 Blaszellen einiger Rotalgen
 (Cell physiological observations on
 vesicular cells of red algae).
 En Fr

Determination of hypotonic resistance
 of vesicular cells of Asparagopsis
armata, Falkenbergia rufulanosa,
Bonnemaisonia hamifera, Trailliella
intricata, Antithamnion plumula &
A. sarniense showed considerable
 differences in the osmotic resistance
 of the vesicular cells of the

Bergquist, P.L. (1959) 59-6604
 Bot.mar., 1(1-2):22-53
 A statistical approach to the ecology
 of Hormosira banksii. Fr De

A detailed ecological study of
 populations of this brown alga, the
 most prominent member of midlittoral
 communities on sheltered coasts in
 New Zealand.

SJH:rl

M

59-6601
 (Card 2)
 Bonnemaisoniaceae & the Ceramiales.

SJH:rb

M

Schmid, O.J. (1959) 59-6605
 Bot.mar., 1(1-2):54-64
 Marine Rotalgen. Chemie und
 praktische Bedeutung - I. Mitteilungen:
 Chemische Zusammensetzung (Marine
 red algae. Chemistry and practical
 importance - I. Chemical composition)

A literature review, with
 tabulations of data for many spp.;
 incl. discussion of vitamins,
 antibiotics, ash, metals, amino-
 acids, carbohydrates, lipoids.

SJH:sjh

M

Söderström, J. (1959) 59-6603
 Bot.mar., 1(1-2):15-21
 A Swedish find of Antithamnion
cruciatum (Ag) Naegeli & genuina
 Kolderup Rosenvinge. Fr De

Describes this plant - known in Sweden
 previously only as f. radicans - & its
 habitat, Borgila Fjord - a sea loch in
 mid-Bohuslän. Many ill.

SJH:sjh

M

Sereno, L. (1957) 59-6606
 Bull.Soc.zool.Fr., 32(1):107-19
 Observations sur Orthopagurus harmsi
 Gordon (Observations on
Orthopagurus harmsi Gordon)

A taxonomic study with observations
 on the systematic position of the
 sp. (issued as: Contr.Inst.oceanogr.
Wharang, (28)).

FAO:hr

M

<p>Anonymous (1959) 59-6607 <u>Mondo d.Natura</u>, (3):65-6 <u>Alosa</u> (Alosa)</p> <p>Article on Clupeidae consisting of synopsis of <u>Alosa alosa</u> under headings: morphological & anatomical characteristics, life cycle, ecology & distribution.</p> <p>HR:hr MF</p>	<p>Anonymous (1959) 59-6610 <u>Mondo d.Natura</u>, (3):80-1 <u>Amiiformi</u> (Amiiformae)</p> <p>Article on Amiidae consisting of synopsis of <u>Amia calva</u> under headings: morphological, anatomical characteristics, life cycle, ecology, distribution & relation to men.</p> <p>HR:hr F</p>
<p>Anonymous (1959) 59-6608 <u>Mondo d.Natura</u>, (3):75 <u>Ambliopsidi</u> (Ambliopsidae)</p> <p>Article on Amblyopsidae consisting of synopsis of various spp. under headings: morphological & anatomical characteristics, ecology & distribution relation to men.</p> <p>HR:hr F</p>	<p>Anonymous (1959) 59-6611 <u>Mondo d.Natura</u>, (3):81-3 <u>Ammoditi</u> (Ammodytæ)</p> <p>Article on Ammodytæ consisting of synopsis of <u>Ammodytes lanceolatus</u>, <u>A. dubius</u>, <u>A. lancea</u> & <u>Gymnammodytes cicerellus</u> under headings: morphological & anatomical characteristics, life cycle, distribution & relation to men.</p> <p>HR:hr M</p>
<p>Anonymous (1959) 59-6609 <u>Mondo d.Natura</u>, (3):76-8 <u>Ameiuridi</u> o <u>Amiuridi</u> (Ameiuridae or Amiuridae)</p> <p>Article on Ameiuridae consisting of synopsis of <u>Ameiurus nebulosus</u> under headings: morphological & anatomical characteristics, life cycle, ecology, classification & distribution, relation to men.</p> <p>HR:hr F</p>	<p>Anonymous (1959) 59-6612 <u>Mondo d.Natura</u>, (3):87-8 <u>Anabantili</u> (Anabantidae)</p> <p>Article on Anabantidae consisting of synopsis of <u>Anabas testudineus</u>, <u>A. multispinis</u>, <u>A. rhodesianus</u>, <u>A. conigicus</u> & <u>A. nanus</u> under headings: morphological, anatomical & other characteristics, life cycle, ecology, distribution & relation to men.</p> <p>HR:hr F</p>

Abbott, D.P. (1958)	6455	Beaulieu, G. (1958)	6407
Abbott, R.T. (1958)	6220	Beck, L.C. &	
Abe, H. & H. Kurata (1957)	5839	W.M. Beck, Jr. (1959)	6154
Abe, S. (1959)	5715	Beck, W.M., Jr. (1959)	6154
Abe, T. (1957)	5836 5838	Beeton, A.H. (1958)	6017
Abe, T. (1958)	5841 5846	Belcher, D.D. (1958)	6045
Abonnenc, E. et al. (1957)	6238	Bell, R. (1958)	6013
Abrikosov, G.G. (1959)	6443	Benford, H. &	
Achjat, (1958)	6074	M. Kossa (1959)	6549
Agapova, A.I. (1958)	6212	Benson, N.G. (1958)	6053
Age, T. (1957)	5837	Ben-Tuvia, A. (1959)	6452
Ahlstrom, E.H. &		Ben-Yami, M. (1959)	6454
R.C. Counts (1958)	5707	Bergquist, P.L. (1959)	6604
Ahmad, N. (1958)	6075	Bernard, F. (1959)	5937
Albe-Fessard, D. &		Berner, L. (1959)	5994
A. Fessard (1959)	5836	Bernstein, D. (1959)	6453
Aldrich, D.V. (1958)	6188	Berry, E.G. (1958)	6193
Allen, G.H. (1958)	6011 6031	Berry, F.H. (1959)	6412
Alves, W. (1958)	6197	Bortholdt, W. (1958)	5954
Ambe, K.S. &		Bhimachar, B.S. (1959)	5870
K. Sohenie (1957)	5704	Biebl, R. (1959)	6601
American Fisheries		Birkhoff, C. (1959)	6536
Society (1958)	6010	Bisalyaputra, U. &	
Amidjaja, R. (1958)	6071	K. Suriyong (1958)	6087
Anantaraman, S. (1959)	6264	Blanc, M. et al. (1958)	6182
Andersen, F.S. (1958)	5854	Blanco, G.J. (1957)	5792
Austin, G.B., Jr. (1958)	6589	Boev, S.N., I.G. Galuzo &	
Australia. Commonwealth Bureau		E.V. Gvozdev (Ed.) (1957)	6291
of Census & Statistics (1959)	6459	Bond, C.E. (1959)	6004
Australia. Commonwealth Scientific		Boogaard, P. (1959)	6572
& Industrial Research		Borovicka, R.L. (1958)	6028
Organization (1958)	6482	Brandes, C.H. &	
Bal, D.V. (1957)	5868	R. Dietrich (1957)	6367
Balfour-Browne, F. (1958)	6224	Bratberg, S. (1959)	5920
Bali, J.B. & C.E. Bond (1959)	6004	Brattström, H. (1959)	6226
Ball, J.N. (1958)	6248	Brehm, V. (1959)	6503
Ball, O.P. (1958)	6030	Bright, D.B. (1959)	6005
Baltus, E. (1959)	6113	Brodie, J.W. (1957)	5879
Banner, A.H. (1958)	6211	Brown, M.E. (1959)	6476 6492
Baranov, I.V. (1959)	6442	Brünner, G. (1958)	5970
Barber, B.A. (1957)	6257	Brunet, R. (1958)	5806
Barbosa, F.S. &		Bückmann, A. et al. (1959)	5905
L. Olivier (1958)	6121	Buljam, M. (1959)	6586
Barnard, J.L. (1959)	6427 6428	Bumpus, D.F. (1959)	5908
Barnes, H. (1959)	6115	Bunt, J.S. (1959)	6220
Barnes, H. &		Burns, R.H. (1958)	5743
M. Barnes (1959)	6116	Burridge, E.W. (1959)	6385
Barnes, M. (1959)	6116	Burrows, R.E. (1958)	5716
Bary, B.M. (1957)	5841	Burrows, R.E. &	
Basioli, J. (1959)	6462	B.D. Combs (1958)	5724
Bates, M. &		Burton, M. (1958)	5872
D.P. Abbott (1958)	6455	Buss, K. (1959)	6149
Bayliff, W.H. (1959)	6007	Buss, K. &	
Baylor, E.R. &		J.E. Wright (1958)	6027
F.E. Smith (1957)	6157	Butcher, R.W. (1959)	6271
Beach, D.D. (1959)	6562	Butters, B. (1959)	6218
		Buttner, A. (1958)	6192

Cairns, J., Jr. & A. Scheier (1958) California University. Scripps Institution of Oceanography (1959)	6230 6460 6480	Cuiaba. Departamento Estadual de Estatística (1957)	5797
Calvez, D.L. (1958)	6090	Cumberbatch, E. (1958)	5673
Cambiano, A. (1959)	6580	Cviić, V. (1959)	6463
Capron, A. (1958)	6181	Czihak, G. & M. Zoi (1959)	6584
Carbine, W.F. (1958)	6051	Dahl, E. (1959)	6238
Carlander, K.D. (1958)	6014	Daiber, F.C. (1959)	6003
Carlisle, D.B. & F. Knowles (1959)	6509	D'Ancona, U. (1959)	6262
Carmel, J. (1959)	6451	Darbyshire, J. (1959)	6337
Caryovich, E.A. (1958)	6456	Dassow, J.A. (1959)	6296
Carter, B.T. (1958)	6050	Davies, D.M. (1959)	6119
Caspers, H. (1957)	5739	Davies, L. & C.D. Smith (1958)	6131
Cassie, R.M. (1957)	5885	Davis, D.E. (1958)	5852
Cerf, R. (1959)	5935	Davis, M.T. (1957)	6293
Chance, C.J. & C.F. Haslbauer (1958)	5715	Dawbin, W.H. (1959)	6239
Chancellor, A.P. (1958)	5736	Dawson, B.Y. (1959)	6411
Chapelle, H.I. (1959)	6550	De Angelis, C. (1959)	5791
Chapin, H. (1957)	6278	deBruin, G.H.P. & D.J. Crisp (1957)	5830
Chardome, A. (1959)	6547	Defant, A. (1958)	6457
Chervinsky, J. (1959)	6450	Deflandre, G. & M. Deflandre-Rigaud (1959)	6274
Chigusa, S. (1959)	6534	Deflandre-Rigaud, M. (1959)	6274
Chinarina, A.D. (1959)	6519	de Laszlo, F.D. (1959)	6540
Chindaprasert, V. (1958)	5758	DeLong, D.C., J.E. Halver & W.T. Yasutake (1958)	5711
Chrispeels, A. (1959)	6506	Deshpande, R.D. (1957)	5984
Chronic, J. (1959)	6526	Deufel, J. & K.U. Naumann (1958)	6370
Clark, J.R. & E.L. Dietsch (1959)	6242	Deutschen Wetter Wetterdienstes (1959)	5992
Clark, R.B. (1959)	6122	de Wit, H.C.D. (1958)	5956 5959 5960
Clarke, A.H., Jr. & R.J. Menzies (1959)	6260		5962
Claus, G. (1959)	5807		5962
Codreanu, R. (1959)	5938		6532
Collier, A., K.H. Drummond & G.B. Austin, Jr. (1958)	6589	De Wit, J.G. (1959)	
Colvin, T.E. (1959)	6533	DeWitt, R.M. & W.C. Sloan (1959)	6121
Combs, B.D. (1958)	5724	de Zylva, E.R.A. (1958)	6059
Combs, B.D. & R.E. Burrows (1958)	5716	Dickie, L.M. (1959)	5893 5894 5910
Corbet, P.S. (1959)	6215	Dickson, L.E. (1958)	5814
Corlett, E.C.B. & J. Venus (1959)	6571	Dickson, W. (1958)	5796
Counts, R.C. (1958)	5707	Dickson, W. (1959)	6554
Coxon, T.L.J. (1958)	6406	Dieterich, B. (1958)	5730
Cresp, J. (1959)	5687	Dietrich, R. (1957)	6367
Cridland, C.C. (1959)	6217	Dietsch, E.L. (1959)	6242
Crisp, D.J. (1957)	5830	Djajadiredja, R.R. (1958)	6073
Crisp, D.J. (1959)	6137	Djajadiredja, R.R. & R. Amidjaja (1958)	6071
Crisp, D.J. & D.H.A. Larr (1957)	5828	Djamhur, R. (1958)	6069
Crittenden, E. (1959)	6006	Dobbs, F.W. & F. Perry (1958)	5940
Croghan, P.C. (1958)	5987 5988 6173	Dobrovclny, C.G. (1958)	6193
		Doke, C. (1959)	6534
		Dollfus, R.P. (1958)	6176

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Donaldson, L.R. & G.H. Allen (1958)	6011
Donaldson, P.E.K. (1958)	6169
Doudoroff, P. (1958)	6055
Doust, D.J. (1959)	6560 6579
Dow, R.L., D.M. Harriman & L.W. Scattergood (1959)	6295
Drewry, G.E. (1959)	5825 6008
Drobek, W. (1958)	5727
Drummond, K.H. (1958)	6589
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Duncan, C.J. (1959)	6136
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Eberle, G. (1958)	5969
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Edwards, R.L. (1958)	6511
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Eisler, R. (1958)	6025
Ekuru, P. (1958)	5761
El Halim, M.I.A. (1958)	6184
Ellis, C.H. (1958)	6023
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Emery, K.O. (1959)	6525
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Enright, J.T. & E.W. Fager (1959)	6431
Evans, J.E. (1958)	6144
Everhardt, W.H. (1958)	6053
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Ferguson, F.F., J. Oliver-González & J.R. Palmer (1958)	6175
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Fleming, C.A. (1957)	5884
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Callais, J. (1958)	6282
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Greenberg, A. (1957)	5975	Houvelmans, B. (1958)	6437
Greene, A.F.C. (1958)	6011	Haydorn, A.E.F. (1959)	6114
Grey, L. (1959)	6075	Hincks, W.D. (1959)	6504
Grice, F. (1958)	6011	Hine, R.L. (Ed.) (1959)	6591
Grubišić, F. (1959)	6464 6468	Hobbs, H.H., Jr. (1958)	6229
Guenther, R.W. et al. (1959)	6143	Hobbs, H.H., Jr. & C.W. Hart, Jr. (1959)	6381
Guerrault, E.R. (1959)	6075	Hogben, C.A.M. (1959)	5824
Gunasekera, C. (1958)	6006	Hogenkamp, H. (1958)	5726
Gurtner, P. (1959)	6067	Holliday, E.G.T. (1959)	6424
Guthrie, D.M. (1959)	6143	Hong Kong, Director of Agriculture, Fisheries & Forestry (1958)	6461
Gutsell, J.S. (1958)	6375	Hopson, A.J. (1957)	6253
Gvozdev, E.V. (1957)	6091	Hopwood, G. & N.W.H. Mewse (1959)	6545
Haeggblom, L.-E. (1959)	6445	Horning, H. (1959)	5808
Hagee, G.R., A.S. Goldin & C.P. Straub (1958)	5735	Horton, H.F. & R.L. Borovicka (1958)	6028
Halver, J.E. (1958)	5711	Hough, J.L. (1958)	5822
Hamburg, Institut für Küsten- und Binnenfischerei 6394 6325	6327	Hove, C. (1958)	6267
Hancock, D.A. (1957)	5985	Howes, W.J. (1958)	5952
Hansen, J.M. (1959)	5901 5921	Hubbs, C. & G.E. Drewry (1959)	6008
Hansen, V. (1959)	5927	Hubbs, C., G.E. Drewry & B. Warburton (1959)	5825
Hanson, H.C. (1959)	6434	Hubendick, B. (1958)	6198
	6538	Hublou, W.F. (1958)	5718
Hardjohutomo, H. (1958)	6092	Hückstedt, G. (1958)	5947
Hardy, A.C. (1958)	5706	Hust, M. & J.-A. Timmermans (1959)	5802
Hardy, A.C. (1959)	6430	Hvass, H. & J. Guibé (1958)	6438
Hardy, A.C. & H.E.H. Pain (1959)	557	Hyde, R.C. (1958)	6281
Harlow, H.F. & C.N. Woolsey (1958)	6445	Hynes, H.B.N. (1958)	5746
Harriman, D.M. (1959)	6011	Idyll, C.P. (1958)	6037
Harrison, M. (1958)	6011	Inamura, K. & M. Nimoniya (1959)	6548
Harry, H.W. & D.V. Aldrich (1958)	6443	India, Ministry of Food & Agriculture (1958)	6441
Hart, C.W., Jr. (1959)	6247 6331	IFPC (1957)	6372
Harvey, H.W. (1957)	5773	IFPC (1958)	6056 6057 6058
Haslbauer, O.F. (1958)	5715		6095 6097 to
Hasler, A.D. (1959)	5928		6100 6102 to
Haslett, A.W. (1958)	5935		6107 6109
Haslett, A.W. (1959)	5847 5925	Inland Fisheries Trust Incorporated (1957)	5993
Hatherton, T. & R.H. Orr (1959)	6010	ICNAF (1959)	5887 to 5890
Haven, D.S. (1959)	6006		5895 5909 5928
Hazelwood, (1958)	6005		6241
Healy, M.J.R. (1958)	5851	ICSU (1958?)	5751
Heighway, A.J. (Ed.) (1959)	5932	IHB (1959)	6415
Heine, H. (1958)	5950	Ireland, Laws, Statutes, etc. (1957)	5794
Heinsohn, H. (1959)	6573	Ireland, Laws, Statutes, etc. (1958)	5776
Heinzig, R. (1958)	6042		
Henderson, C. & Q.H. Pickering (1958)	6015		
Henderson, C.R. et al. (1959)	6112		
Hendricks, A.J. (1957)	5741		
Hersey, J.B. & M.S. Rutstein (1958)	5867		

Itazawa, Y. (1959)	6265	Kulp, J.L. (1959)	5813
Jablonski, O. (1959)	6564	Kumerloeve, H. (1957)	6289
Jackson, D.J. (1959)	6225	Kurata, H. (1957)	5939 6400 6401
Jackson, J. (1959)	5826	Kutkuhn, J.H. (1958)	6019
Jacquemart, S. (1959)	6505	L.B.P. (1959)	6494
Jean, Y. (1959)	5906	Laarhoven, J.F. (1958)	5964
Jefferies, D.J. (1958)	6249	Lackenby, H. (1959)	6552
Jensen, A.C. (1959)	5898	Lackey, J.B. (1957)	6404 6405
Jolly, V.H. (1957)	5886	Lafont, R. (1958)	6091
Jones, R. (1959)	6422	Laird, M. (1959)	6118
Jones, W.C. (1957)	5831	Landahl, H.D. (1957)	6446
Jónsson, J. & J. Magnusson	5929	Lane, F.W. (1957)	5874
Kaberry, A.C. (Chairm.) (1957)	5878	Lane, J.T. (1958)	6026
Kahn, B. & S.A. Reynolds (1958)	5734	Lancix, J.H. (1958)	6194
Kanasashi, Y., C. Doke & S. Chigusa (1959)	6534	LaPointe, D.F. (1958)	6024
Kanazawa, R.H. (1959)	5820	Larkin, P.A. (1958)	6053
Karaman, S. (1957)	6588	Laron, S.V. (1958)	6089
Keir, R.S. (1959)	5911 5912 5919 5930 5931	Lawday, L.I. (1959)	5926
Keiz, G. (1958)	6399	Lawson, R.M. (1958)	6283
Kerswill, C.J. (1959)	6384	Le Cren, E.D. (1958)	6130
Khartoum. University Hydrobiological Research Unit (1958)	5850	Le Cren, E.D. (1959)	6139
Kiefer, H. & R. Maushart (1958)	6403	Lefevre, M. (1958)	5733
Kilby, J.D., E. Crittenden & L.E. Williams (1959)	6006	Lenier, R. (1959)	5833
Kimmins, D.E. (1958)	6133	Lennon, R.E. & P.S. Parker (1958)	6147
Kimsey, J.B. (1958)	6041	Leopold, E.B. (1959)	6526
Kleinholz, L.H. (1957)	6162	Leslie, P.H. (1958)	6513
Knowles, F. (1959)	6509	Lever, J. (1958)	5945 5953 5972 5973
Kobayashi, T. (1959)	6569	Levinge, R. (1959)	6488
Komarovsky, B. (1959)	6449	Lillelund, K. (1958)	6368
Komiya, Y. et al. (1958)	6200	Lindley, D.V. (1958)	6286
Kong, S.M. (1958)	6078	Lisitsyn, A.P. (1959)	6521
Koontz, R.L. (1957)	5740	Lister, B.A.J. (1958)	5728
Koostedjo, R. & Achjat (1958)	6074	Loftus, K.H. (1958)	6035
Kossa, M. (1959)	6549	Loomis, W.F. (1959)	5986
Kozar, Z. (1958)	6593	Lougee, R.J. (1959)	5823
Kraft, H. (1959)	5976	Lowy, J. & B.M. Millman (1959)	6235
Krijgsman, B.J. & N.E. Krijgsman (1957)	6166	Lucas, C.E. (1959)	6418
Krijgsman, N.E. (1957)	6166	Lucas, C.E. & G.C. Trout (1959)	5907
Kristjonsson, H. (1958)	6081	Lundin, S.J. (1959)	6129
Križanec, V. (1959)	6465	Lusyne, P.A. (1958)	6080
Krone, W. (1958)	5948	Macan, T.P. (1958)	6515
Kroon, J.H. (1958)	5977	MacArthur, R. (1958)	5773
Kubota, S. (1957)	6156	MacCallum, W.A. (1959)	6542
Kubota, S.S. (1957)	6155	Macintosh, N.A. (1959)	5857
		MacLeod, R.A., H. Hogenkamp & E. Onofrey (1958)	5726
		Macro, E. (1958)	6294
		Magnusson, J. (1959)	5929
		Maldonado-Koerdell, M. (1958)	6524
		Palck, A.E. (1958)	6187

Mandeville, W.L. (1958)	5916	Nakata, T. (1959)	6574
Mangerel, P. (1957)	6402	Naumann, K.U. (1958)	6370
Mann, H. (1958)	6396	Naylor, E. &	
Mann, K.H. (1959)	6153	D.J. Slinn (1958)	6510
Mansfield, A.W. (1959)	6126	Nelson, C.T. &	
Mansueti, R. (1958)	5869	R.L. Keontz (1957)	5740
Margalef, D.R. (1958)	5769	Netherlands. Centraal Bureau	
Marill, F.G. (1958)	6125 6196	voor de Statistiek (1959)	6478
Marinković, M. &		Newell, G.E. (1958)	5749
M. Zei (1959)	6585	Neyman, J., T. Park &	
Marr, D.H.A. (1957)	5828	E.L. Scott (1958)	5774
Marshall, N.B. (1959)	6142	Neyman, J., E.L. Scott &	
Martin, A.W. (1957)	6165	C.D. Shane (1958)	5775
Martin, W. &		Ngaoran Sri, V. (1958)	5754
A.H. Banner (1958)	6211	Nghi, H.H. (1958)	6082
Martin, W.E. (1958)	6202	Nichols, D. (1959)	6141
Martin Salazar, F. (1958)	6479	Nielsen, E. Steemann (1958)	6096
Mason, J. (1959)	6421	Nieuwenhuizen, A.v.d. (1958)	5958' 5961
Matsumoto, W.M. (1958)	6379		6548
Maurin, C. (1959)	6151	Nimoniya, M. (1959)	5685
Maushart, R. (1958)	6403	Nourisson, E. (1959)	
May, A.W. (1959)	5924	Novak, G.E. &	
McCracken, F.D. (1959)	5914 5915 5932	A.G. Filipenko (1958)	6204
McKee, E.D., J. Chronic &		Numann, W. (1958)	6398
E.B. Leopold (1959)	6526	Hun, K. (1959)	6448
McMurtrey, R.G. et al. (1959)	6527		
Meister, A.L. &		Oberacker, D.P. (1959)	5892
C.F. Ritzi (1958)	5709	Olum, E.I. (1959)	6483
Menard, H.W. (1959)	6380	Ogino, C. (1958)	5690
Menzies, R.J. (1959)	6260	O'Gower, A.K. (1959)	6128
Merican, A.B.O. (1958)	6062	Okada, Y. &	
Mewse, N.W.N. (1959)	6545	S.S. Kubota (1957)	6155 6156
Meyer, A. (1958)	6390	Oliver-Gonzales, J. (1958)	6175
Miller, G.C. (1958)	6199	Olson, S.J. (1959)	5925
Miller, M.C. (1958)	6250	Olson, D.E. (1958)	6016
Miller, Wm.C. (1959)	6566	Olsson, R. (1958)	5981
Millman, B.M. (1959)	6235	Onofrey, E. (1958)	5726
Miyamoto, H. (1958)	6111	Ophel, I.L. (1957)	5731
Miyamoto, H. &		Orians, G.H. (1958)	6512
A.T. Shariff (1958)	6094	Orr, R.H. (1959)	6240
Möckel, W. (1959)	6556	Ostrovnev, E.A. &	
Montalban, H.R., G.J. Blanco &		V.V. Shilov (1957)	5827
I.A. Ronquillo (1957)	5792	Otsu, Y., K. Yokoyama &	
Monteiro, M.C. (1958)	6413	T. Kobayashi (1959)	6569
Montén, E. (1959)	6481	Owen, J.B. (1958)	6270
Moran, P.A.P. (1959)	6150		
Motta, F. (1959)	5781	P.R.B. (1959)	6498 6500
Msangi, A.S. (1958)	6178	Packer, P.T. (1958)	6049
Mühlberger, C. (1959)	5951	Packer, W.C. (1959)	6433
Müller, I. (1957)	6410	Pahari, R. (1958)	6063
Mullan, J.W. (1958)	5714	Pain, H.E.H. (1959)	6537
Muncy, R.J. (1958)	6269	Palakar, V.C. &	
Munro, H. (1959)	6219	D.V. Bal (1957)	5868
Muramatsu, S. (1959)	6535	Palmer, J.R. (1958)	6175
Mužinić, R. (1958)	5705 5706	Palohaimo, J.E. (1959)	5916
Myers, B.J. (1959)	6117 6120	Paloumpis, A.A. (1958)	6268

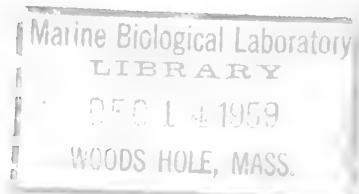
Panomsarn, (1958)	5756	Reese, E.S. (1959)	6434
Paquette, R.G. (1959)	5681	Reitzig, K. (1958)	5955
Partk, T. (1958)	5774	Reynolds, S.A. (1958)	5734
Parker, P.S. (1958)	6147	Richards, C. (1959)	6473
Parker, R.A. & A.D. Hasler (1959)	5998	Richter, W. (1957)	5991
Parrish, B.B. (1959)	5911 6117	Riddick, T.M. (1958)	5737
Parsons, J.W. (1958)	6042	Rigby, J.E. & D. Rawson (1958)	6206
Passano, L.M. (1957)	6158	Riggs, C.D. (1958)	6039
Pathansali, D. & S.M. Kong (1958)	6078	Rijken, H. (1959)	6558
Patriarche, M.H. & R.S. Campbell (1958)	6034	Ringhaver, L.C. (1959)	6570
Patterson, A.M. (1957)	5684	Ritzi, C.F. (1958)	5709
Paul, A.R. (1957)	5982	Roback, S.S. (1958)	6227
Paulling, J., Jr. (1959)	6563	Robertson, J.D. (1957)	6164
Pax, F. (1957)	6290	Robertson, N.G. (1957)	5877
Pax, F. & I. Müller (1957)	6410	Robertson, O.H. (1958)	6377
Peck, L.G. & R.N. Hazelwood (1958)	6285	Robins, C.R. (1959)	5677
Perry, F. (1958)	5940	Rochford, D.J. (Comp.) (1959)	6444
Peru. Consejo de Investigaciones Hidrobiologicas (1958)	6255	Rodriguez Martin, O. (1959)	5918
Petri, O. (Comp.) (1958)	6499	Roeclofs, E.W. (1958)	6029
Phasukavanich, C., G. Sand & P. Tavaranusorn (1958)	5755	Roll, H.U. (1958)	6497
Phillips, A.M., Jr. (1958)	5712	Renquillo, I.A. (1957)	5792
Phillips, J. (1958)	5701	Rose, M. (1957)	6408 6409
Phillips, R.C. (1959)	6256	Rose, S.M. (1959)	6259
Pickering, Q.H. (1958)	6015	Rounsefell, G.A. (1958)	6376
Pilipenko, A.G. (1958)	6204	Rounsefell, G.A. & J.E. Evans (1958)	6144
Pilkington, R. (1957)	5875	Rucker, R.R. (1958)	6046 6053
Pillay, T.V.R. (1958)	5708	Ruivo, M. & G.V. Quartin (1959)	5896 5902
Poll, M. (1959)	6386	Ruivo, M. & G. Quartin (1959)	5917
Portugal. Direcção das Pescarias (1958)	6596 6597	Russell, F.S. (1959)	6232
Posgay, J.A. (1958)	5723	Russell, H.H. (1958)	5732
Posgay, J.A. (1959)	5903	Rutstein, M.S. (1958)	5867
Poulsen, E.M. (1959)	5899 6243 6595	Sacher, G.A. (1958)	5812
Powell, D.E. (1958)	6040	Sachlan, M. (1958)	6072 6077
Powell, S.T. (1958)	5738	Saddington, K. & W.L. Templeton (1958)	5742
Pringle, J.W.S. (1957)	6159	Sahnago, D. (1958)	6392 6393
Pumphrey, R.J. (1959)	5816	Saila, S.B. (1958)	6033
Purkett, C.A., Jr. (1958)	6022	Sand, G. (1958)	5755
Quartin, G. (1959)	5917	Sanford, T.B. (1958)	5694
Quartin, G.V. (1959)	5896 5902	Sará, R. (1959)	6580
Rae, B.B. (1959)	6423	Sato, S. (1959)	6575
Rajagopal, M.V. & K. Schonie (1957)	5695	Scattergood, L.W.	6295
Rapoport, A. (1958)	5768	Schaeffer, B. (1959)	5821
Rawson, D. (1958)	6206	Schantz, E.J. et al.	5699
Razumova, E.P. (1958)	6205	Scheer, B.T. (1957)	6163
Reay, G.A. & J.M. Shewan (1959)	6541	Schoier, A. (1958)	6230
		Schiemenz, F. (1958)	6369
		Schmid, O.J. (1959)	6605
		Schofield, D. (1958)	5941
		Schulander, P.F. (1959)	5815
		Schubert, (1958)	6389
		Schubert, K. (1958)	6391

Schulte, A. (1957)	6147	Sparks, A.K. &	
Schultz, L.P. &		V.E. Thatcher (1958)	6210
R.H. Kanazawa (1959)	5820	Spooner, G.M. (1952)	6233
Schulz, B. (1958)	5974	Springer, S. (1959)	6001
Schuster, W.H. (1958)	6108	Strasburg, D.W. (1958)	6425
Schuurman, J.J. (1958)	6066	Sramok-Husek, R. (1957)	6167
Schwartz, F.J. (1958)	5871	Sripai boon, C. (1958)	5765
Schwitzer, J. (1958)	5983	Sripejr, S. (1958)	5757
Scott, E.L. (1958)	5774 5775	Stavrovskii, A.S. (1959)	6520
Scott, J.P. (1958)	6436	Stern, J.A. (1958)	6038
Scott, J.S. (1958)	6093	Stettler, P.H. (1959)	5966
Semenov, K.I. (1959)	6518	Stevens, R.I. (1958)	6053
Seppovaara, O. (1959)	5772	Stevenson, J.H. (1958)	6053
Serene, R. (1957)	6606	Stoddard, R.R. (1959)	5891 5898
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FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Viale delle Terme di Caracalla, Rome, Italy



CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

prepared by

Biology Branch, Fisheries Division

Curr.Bibliogr.aquat.Sci.Fish., 2(3)

Rome, August 1959

containing:

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[2.1(2)]



Errata

Please delete Nos. 571907, 52-2932, 52-4814, 52-4803
59-4814, 59-4968, 52-5003, 59-5047

570898	cacles	should read	cable
59-3772	fishsries	" "	fisheries



Addenda

Brook, A.J. (1957) 583900
Naturalist, Lond., (862):97-100
Notes on desmids of the genus
Staurostrum. I. Staurostrum pseudopela-
gicum, S. subcruciatum, S. avicula and
S. denticulatum

Taxonomic notes.

FiB:wcb

F

Brook, A.J. (1957) 583905
Trans.bot.Soc.Edinb., 37:114-22
Notes on freshwater algae, mainly from
lochs in Perthshire and Sutherland

Reports on rare or new records of
algae for Scotland & British Isles.

FiB:wcb

F

Brook, A.J. (1957) 583906
Naturalist Lond., (861):37-9
On some forms of Micrasterias new to
or rare in Britain

List with morphological notes.

FiB:glk

M

Smith, I.W. (1957) 584024
Salm.Trout Mag., (150):148-50
The occurrence of damaged sea trout on
the east coast of Scotland

Ill. & descriptions of fish with wounds
usually on left shoulder. Various
suggestions as to cause incl. lamprey
attack, bacterial, fungal or protozoal
infection.

FiB:sjh

MF

Johnson, M.W. (1958) 585808
Proc.Calif.Acad.Sci., 29(6):257-65
Bathycalanus sverdrupi, n. sp., a
copepod crustacean from great depths in
the Pacific Ocean

Ill. morphological account of the spp.

FAO:glk

M

Menzies, R.J. (1958) 585809
Proc. Calif. Acad. Sci., 29(7):267-72
The distribution of wood-boring
Limnoria in California

Contents as per title.

FAO:glk

M

Beatty, L.D. & 59-2569
F.F. Hooper (1958)
Pap. Mich. Acad. Sci., 43:89-106
Benthic associations of Sugarloaf Lake

Describes 3 biotic associations for
the littoral zone on basis of soil &
vegetation characteristics &
quantitative differences in animal
assemblages.

FiB:wcb

F

Hubbs, C.L. & 585810
A.B. Rehnitzner (1958)
Proc. Calif. Acad. Sci., 29(8):273-313
A new fish, Chaetodon falcifer, from
Guadalupe Island, Baja California, with
notes on related species.

For the new spp.: collecting notes &
habitat data, distribution,
distinctions, relations, diagnosis,
description of fins, scales & lateral
line, body & head characters,
osteological features, coloration &
measurements, distinctive characters &
relations of 3 other Eastern Pacific
Chaetodontines; taxonomic notes on
Atlantic spp.

FAO:glk

M

Mansueti, R. (1958)
Nature Mag., 51(7):351-4
The hickory shad unmasked

Identification of spawning areas in E.
USA hatching & rearing of young in
laboratory.

FiB:sjh

MF

Morris, D. (1958) 59-1224
Behaviour, supp. VI, 154 p.
The reproductive behaviour of the ten-
spined stickleback (Pygosteus pungitius
L.)

This report presents a detailed
description & analysis of the repro-
ductive behaviour of the ten-spined
stickleback. In addition to a repro-
ductive ethogram, descriptions of non-
reproductive behaviour patterns are
also given.

FiB:dm

F

Jackson, S.W., Jr. (1958) 59-5157
Proc. Okla. Acad. Sci., 38:146-54
Summary of a three-year creel census on
Lake Eucha and Spavinaw Lake, Oklahoma,
with comparisons of other Oklahoma
reservoirs

Contents as per title.

FiB:wcb

F

Swedmark, B. & 571578
G. Teissier (1957)
C.R.Acad.Sci., Paris, 244:501-4
Organisation et développement des
Halammohydra (Hydrozoaires)
(Organization and development of
Halammohydra, Hydrozoa)

Morphological notes.

FAO:glk

570216
(Card 2)
international collaboration on the
protection of waters against
pollution.

FiB:tl

F

Politis, J. (1957) 571274
C.R.Acad.Sci., Paris, 244:511-3
Recherches cytologiques sur la
formation des carotinoïdes chez
certain poissons (Cytological
research on the formation of
carotinoids of certain fish)

Observations on the stages of
formation of carotinoid pigments in
the caudal, dorsal & ventral fins of
Serranus cabrilla, Pagellus erythrinus,
Dantex macrophthalmus, D. vulgaris, &
Julis vulgaris.

FAO:glk

M

Doukan, G. (1957) 582946
De Graff, New York, 356 p.
The world beneath the waves

MA 10(2)34. Popular book on submarine
exploration, underwater hunting,
equipment & conditions of life;
submarine archaeology, photography,
moving picture & television; marine
biology & submarine research &
knowledge obtained by these methods.

:ma

M

Bucksch, R. (1957) 570216
Ost.Wasserw., 9(4):75-7
Rechtsprobleme der internationalen
Zusammenarbeit auf dem Gebiete des
Gewässerschutzes (Legal problems of
international cooperation in the
protection of streams)

Review of the present & future
pollution problem; present juridical
stands of national & international
laws concerned with water pollution,
with special reference to boundary
waters; Austrian problems in the field
of water pollution with neighbouring
states; proposal for future

Brooks, C.T. & 59-C312
E.S. Brooks (1958)
Trans.Amer.geophys.Un., 39:52-7
The accuracy of wind-speed estimates
at sea

MA 10(4)104. A study of 1315 pairs of
measured & estimated winds made on US
weather ships shows that the
estimated speeds corresponded to those
measured within 1-3 kn (same Beaufort
number) in 60% of the cases; 28% were
underestimated & 12% overestimated.

TL:ma

M

FAO/59/10/7201

Springer, V.G. & 59-0747

H.D. Hoese (1958)

Tex.J.Sci., 10:343-8

Notes and records of marine fishes
from the Texas coast

Records of Hoplunnis tenuis Ginsburg,
Ablennes hians Valenciennes,
Syngnathus pelagicus Linnaeus, Thunnus
thynnus Linnaeus, Istiophorus
americanus Cuvier, Tetrapterus
belone (?) Rafinesque, Alectis
crinitus Mitchell, Pomacentrus leuco-
stictus Müller & Troschel, Halichceres
bivittatus Bloch, Sparisoma radians
Valenciennes, Pomacanthus paru Bloch,

Leontsev, A.M. (1957) 59-2214

Iet.Gidrolog., (5):21-5

Okeanograficheskaya izuchennost'
Tikhogo okeana (State of knowledge
on the oceanography of the Pacific
Ocean)

LA 10(4)55. Brief history of
scientific oceanographic observations
in the Pacific Ocean. Distribution of
available deep water observations
for the Pacific Ocean are shown on a
map. The necessary observations for the
Pacific Ocean are discussed.

:ma

M

59-0747

(Card 2)

Holocanthus isabelita Jordan &
Rutter & Lophiomus sp.

FAO:efa

M

IUGG (1957) 59-2553

Publ.sci.Ass.Océanogr.phys., (18):83 p.

Bibliography on generation of currents
and changes of surface-level in oceans,
seas and lakes by wind and atmospheric
pressure 1726-1955

LA 10(4)65. About 850 references to
literature on storm surges, relations
between wind, gales, hurricanes, storms
or pressure & currents or sea level.
Effect on coasts, estuaries, bays &
lakes are considered. Entries are
listed chronologically from 1726-1955
(alphabetically by author within each
year).

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MF

Selitskaia, E.S. (1957) 59-2233

Met.Gidrolog., (6):35-9

K voprosu o vnutrennikh volnakh
(On the problem of internal waves)

LA 10(2)65. A brief summary is given
of the history of observations on
internal waves. Analyzes a striking
example of internal waves observed in
the North Sea.

:ma

M

Jenkins, R.M. (1958) 59-5159

Proc.Okla.Acad.Sci., 38:157-72

The standing crop of fish in Oklahoma
ponds

An examination of standing crop,
length-frequency distribution,
growth rate & longevity data on 42
ponds.

FiB:wcb

F

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59-6675	"	584949
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	Salmo salar	4550	4767	4804
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	<i>Heteropneustes</i>			5385
	<i>Ictalurus</i>		4829	5068
	<i>Saurida</i>			5381
	<i>SILURIDAE</i>		4900	5366
	<i>Silurus</i>			5070
	<i>Wallagonia</i>			5075
1,43	<i>Anguilla anguilla</i>			5344
	<i>Anguilla bostoniensis</i>			4875
	<i>Anguilla sp.</i>			4550
	<i>Neenchelys</i>			5644
1,47	<i>BELONIDA</i>			5059
	<i>Cololabis</i>		4866	4891
	<i>EXOCEETIDAE</i>		4445	5057
1,48	<i>GADIFORMES</i>			4904
	<i>Gadus callarias</i>	4760	4802	4804
		4815	4817	4818
		5180	5329	5178
	<i>Gadus merlangus</i>	5371	5403	5620
		5621	5635	
	<i>Melanogrammus</i>	4728	5180	5371
		5394	5403	5621
	<i>Merluccius bilinearis</i>			5394
	<i>Merluccius merluccius</i>			4996
	<i>Pollachius</i>			5180
1,50	<i>GASTEROSTEIDAE</i>			5355
	<i>Gasterosteus</i>	5007	5356	5650
1,53	<i>Lampris</i>			5061
1,57	<i>CYPRINODONTIFORMES</i>			5037
	<i>Gambusia</i>			5088
	<i>Lebistes</i>			5087
	<i>Oryzias</i>			5077
	<i>POECILIIDAE</i>			5046
	<i>Xiphophorus</i>			4828
1,61	<i>Beryx</i>			5063
1,64	<i>Sphyræna</i>		4702	4876

1,65 *Mugil* 5081 5659

1,70	<i>Acerina</i>			5005
	<i>Ambassis</i>			5080
	<i>Argyrosomus</i>			5381
	<i>CARANGIDAE</i>		4512	5410
	<i>CHIRONOMIDAE</i>			5354
	<i>Chrysophrys</i>			4876
	<i>CICHLIDAE</i>			5156
	<i>Coris</i>			4582
	<i>Cynoscion</i>			4702
	<i>Decapterus</i>			5425
	<i>Ditrema</i>			5092
	<i>Epinephelus</i>			5399
	<i>Haplochromis</i>			5190
	<i>Hemichromis</i>			4918
	<i>HISTIOPTERIDAE</i>			5398
	<i>Lepibema</i>			5158
	<i>Lutjanus</i>			5199
	<i>Morone</i>			5551
	<i>Mullus</i>			5595
	<i>Pagrosomus</i>			4872
	<i>Perca flavescens</i>			4518
	<i>Perca fluviatilis</i>			4642
	<i>Pseudopentaceros</i>			5397
	<i>Pseudosciaena</i>			5381
	<i>Quinquarius</i>			5397
	<i>Roccus</i>	4720	5206	5603
	<i>Seriola</i>	4519	4871	4887
			4891	4889
	<i>Symphysodon</i>			4643
	<i>Tilapia</i>	4935	5415	5547
	<i>Trachurus</i>	4538	4872	4876
			5544	5371
1,71	<i>Blennius</i>			5083
	<i>CLINIDAE</i>			5042
1,73	<i>Ammodytes</i>		5371	5372
	<i>Ophidion</i>			5403
				4706
1,74	<i>Acanthurus</i>			4622
	<i>Trichiurus</i>			5380
1,75	<i>Istiophorus</i>			5647
	<i>Makaira</i>		4889	4891
	<i>Sarda</i>		4732	5364
	<i>Scomber scombrus</i>		4594	5621
	<i>Scomber sp.</i>		4872	4876
			4897	4891
1,76	<i>Anabas</i>			5387
	<i>Betta</i>			4918
	<i>Osphronemus</i>			5556
	<i>Tetragonurus</i>			4538
	<i>Trichopodus</i>			5074

1,77	<i>Clevelandia</i>			5132
	<i>Oxyurichthys</i>			5040
1,78	<i>Apistus</i>			4886
	<i>Sebastes</i>	4802		5394
1,80	<i>Auxis</i>			5364
	<i>Euthynnus</i>			5364
	<i>Germo</i>	4544	4715	5564
	<i>Katsuwonus</i>	4891	5204	5364
	<i>Neothunnus</i>			4763
	<i>Parathunnus</i>			4870
	<i>THUNNIFORMES</i>	4714	4716	4721
		4745	5161	5201
		5214	5222	5347
	<i>Thunnus orientalis</i>	4891		4892
	<i>Thunnus sp.</i>			5364
1,83	<i>Eopsetta</i>			4704
	<i>Hippoglossus hippoglossus</i>			4806
	<i>Hippoglossus stenolepis</i>			5208
	<i>Liopsetta</i>			4621
	<i>Pleuronectes platessa</i>	4849		4904
		5403	5560	5621
	<i>Pleuronichthys</i>			4538
	<i>Solea</i>			5620
1,86	<i>Macracembelus</i>			5332
1,89	<i>Baliste</i>			4621
1,90	<i>Diodon</i>			4835
1,95	<i>Antennarius</i>			5078
1,99	<i>FISHES, MISC.</i>	4501	4502	4508
		4510	4512	4516
		4517		4517
		4543	4553	4554
		4556		4556
		4595	4611	4614
		4619		4619
		4636	4646	4647
		4648		4648
		4652	4654	4655
		4656		4656
		4662	4700	4701
		4705		4705
		4708	4709	4710
		4710		4730
		4731	4737	4738
		4746		4746
		4749	4752	4764
		4773		4773
		4782	4809	4816
		4817		4817
		4818	4823	4841
		4844		4844
		4846	4848	4896
		4890		4890
		4900	4926	4938
		4970		4970
		4985	5025	5034
		5035		5035
		5036	5041	5043
		5044		5044
		5045	5047	5048
		5051		5051
		5052	5054	5056
		5062		5062
		5064	5065	5095
		5095		5095
		5121	to	5124
		5126		5126
		5136	5148	5150
				5157

1,99	<i>FISHES, MISC. (cont'd)</i>			5139
		5176	5186	5197
		5203		5203
		5212	5217	5221
		5227		5227
		to	5230	5242
				5243
		5245	5250	5301
				5304
		5328	5330	5331
				5336
		5347	5371	5373
				5374
		5377	5378	5384
				5403
		5404	5407	5408
				5409
		5412	5413	5414
				5429
		5430	5526	5522
				5532
		5541	5549	5552
				5554
		5562	5565	5570
				5591
		5593	5595	5596
				5599
		5601	5602	5612
				5620
		5624	5641	5656
				5657
		5671	5675	
2,00	<i>CRUSTACEANS, GEN.</i>	4511		4523
		4529	4531	4532
				4639
		4634	4688	4690
				4838
		4903	4904	4925
				4946
		4969	4978	5144
				5145
		5146	5365	5412
				5568
		5574		
2,05	<i>CHYDORIDAE</i>			5376
	<i>DAPHNIIDAE</i>			5376
	<i>MACROTHRICIDAE</i>			5376
	<i>SIDIDAE</i>			5376
2,09	<i>COPEPODA</i>	4785		5361
2,10	<i>CALIGIDAE</i>			4616
	<i>Diaptomus</i>	4539		5009
	<i>Lernaeocera</i>			4026
	<i>Octopicola</i>			5666
	<i>Vanbenedenia</i>			4901
2,12	<i>CIRRIPELIA</i>			4043
2,13	<i>Balanus</i>	5189		5323
2,16	<i>RHIZOCEPHALA</i>			5133
2,21	<i>Almyracuma</i>			4792
2,23	<i>Asellus</i>			4997
	<i>Caecosphaeroma</i>			5667
	<i>ISOPODA</i>			4890
	<i>Limnoria</i>	4833		5654
	<i>Sphaeroma</i>			4332
2,24	<i>Gammarus</i>			5510
	<i>Orchestia</i>			4583
	<i>Salentinella</i>			4572

2,27	DECAPODA			5133	3,07	(continued)			
2,28	Leander			4564		Theodoxis			5390
	Macrobrachium			4966		Trochus			4936
	NATANTIA	4709	4735	4736		Turbo			4937
		4750	4775	4847					
		5219	5231	5232					
		5241	5357	5240	3,09	Osteodes			5293
	Palaemonetes			4786		Thais			5292
	Pandalopsis			4700		Urosalpinx	5265		5279
	Pandalus			4700	3,10	Littorivaga			4964
	Penaeus			4617					
2,29	Astacus			4967	3,13	Ancylus			5506
	Callinectes			4709		Siphonaria			5363
	Cancer			4703		Taphius			5543
	Carcinus	4575	4793	5391	3,14	Achatina			5004
	Eriphia			5181					
	Geryon			5114	3,15	PELECYPODA	4659	4771	5016
	Homarus		4793	5114			5261	5268	5270
	Jasus			5378			5505	5514	5463
	Ocypode			4787					
	Panulirus	5220	5253	5638	3,16	Brachidontes			5275
	Paralithodes	4637	4700	5136		Crassostrea	5269	5275	5285
	REPTANTIA			5128			5288		to
	Uca			4790		Mutela			5193
2,99	CRUSTACEANS, MISC.	4501	4502			Mytilus		4797	5272
		4556	4636	4646		Ostrea	4660	4711	4712
		4648	4656	4662			4729	5127	5258
		4730	4731	4749			5260	5271	5273
		4764	4816	4317			5277	5280	5289
		4823	4837	4844			5291	5293	5395
		4896	4899	4900		Pecten	4727	4805	4814
		4938	4979	5047					4962
		5064	5121	5122	3,17	Ensis			5275
		5203	5212	5221		Gemma			5613
		5229	5230	5242		Mya	5272	5275	5283
		5245	5250	5304		Venus	4635	5262	5275
		5371	5374	5377			5286		5284
		5403	5404	5407		Villorita			5652
		5409	5414	5430	3,19	CEPHALOPODA			5095
		5565	5576	5599					
		5653	5656	5675	3,21	DIBRANCHIA			5137
3,00	MOLLUSCS, GEN.	4523	4529	4531		Doryteuthis			4872
		4532	4533	4639		Lolliguncula			5125
		4688	4690	4838		Octopus	4864	5181	5666
		4904	4925	4945		Sepia			5181
		4978	5144	5145	3,99	MOLLUSCS, MISC.	4501	4502	4511
		5365	5412	5568			4556	4636	4646
				5574			4648	4656	4662
3,05	GASTROPODA		4569	5010			4730	4731	4752
							4764	4816	4817
3,07	HALIOTIDAE			5194			4823	4837	4844
	Haliotis			5282			4896	4899	4900
	Potamopyrgus			5501			4938	4943	4979
									5047

3,99	MOLLUSCS, MISC. (cont'd)	5048	6,03	(continued)	
	5064 5121 5122 5136			RHIZOPODA	5173
	5203 5212 5221 5227				
	5229 5230 5242 5243		6,06	Myxobolus	4968
	5245 5257 5304 5330			Nematopsis	5291
	5374 5377 5378 5403		6,07	CNIDOSPORIDIA	4310
	5404 5407 5408 5409				
	5414 5430 5498 5540		6,11	Disematostoma	4567 4568
	5565 5576 5599 5612			Stentor	4798
	5656 5675		6,13	PORIFERA	5486
4,05	Enhydra	5205			
	Mustela	5591	6,15	Chondrosia	4565
4,06	Callorhinus	4723		SPONGIIDAE	4863 5226
	Eumetopias	4637		Tethya	4570
	Lobodon	5305 5308			
	Otaria	4757	6,17	Bassia	5333
	Phoca	4509		Chelophyes	5333
	PINNIPEDIA	4505 4506		Diphyes	5333
4,21	CETACEA	4657 4724 4725 5210		Galetta	5333
		5211 5233 5235 5251		Hydra	4799 4800 5639
		5300 5550		HYDROZOA	4943
4,22	Phocaena	5174		Lensia	5333
	Physeter	5138		Muggiaea	5333
	Prodelphinus	4629 4630		Physalia	4831
4,23	Balaenoptera musculus	4558	6,18	Chiropsalmus	5362
4,97	MAMMALS, AQUATIC	4556 4904 5047	6,19	ANTHOZOA	5192
				CORALLIIDAE	4789
4,99	MAMMALS, MISC.	5642	6,21	Mnemiopsis	4784
5,00	AMPHIBIANS, GEN.	4514	6,24	Dendrocoelum	5513
5,07	SALIENTIA	5005		PLANARIIDAE	4791
				TURBELLARIA	5508
5,29	AMPHIBIANS, MISC.	4556 5048	6,25	TREMATODE	5511
5,49	REPTILES, MISC.	4556 4904 5043	6,26	Allocreadium	5382
	5048			Calicotyle	5165 5166
5,68	ALCIDAE	4822		Dictyocotyle	5165 5166
				Entobdella	4806
5,87	BIRDS, AQUATIC	4556 5618	6,27	Bucephalus	5263
5,91	ENTEROPNEUSTA	4855		Cercaria	4797 4930
				DIGENA	5360
5,96	ASCIDIACEA	4943		Parorchis	5292
				Proctoeces	4797
5,99	CHORDATES, MISC.	5642		Pseudostylochus	5264
6,01	Naegleria	5471 5472	6,30	Hepatoxylon	5298
6,03	GLOBIGERINIDAE	5572	6,31	Micrura	5006
	GLOBOROTALIIDAE	5572		NEMERTEA	5508

6,33	NEMATODA		5511	6,34	(continued)			
	Paragrolaimus		5474					
6,35	Polymorphus	5490	5510		Dytiscus			5509
					Enochrus			5494
6,37	Epiphanes		5462		HYDROPHILIDAE	5511		5579
	ROTATORIA		5515	6,36	Caraphraactus			5480
6,39	Echinoderella		5651		Chrysoscharis			5480
6,45	CHAETOGNATHA		4537	6,37	Aedes			5504
	Sagitta		5339		Anopheles	5459		5476
6,48	POLYCHAETA	3734 3792 4615 4960			CHIRONOMIDAE	5179		5580
6,50	SERPULIDAE		4043		CULICIDAE	5499		5519
	Spirorbis		5617		Diamesa			5367
6,51	LUMBRICIDAE		4995		Mansonia			5473
6,53	Erpobdella		5512		Simulium			5517
	Hirudo	5464	5465		Taeniorhynchus			4998
6,56	Limulus		4738		Tipula	5467	5468	5470
6,61	ARANEAE		5581	6,93	Arbacia			5469
6,62	ACARINA		5368	6,97	INVERTEBRATES, AQUATIC	4511		4528
6,66	INSECTA	4549 5017 5516				4529 4531 4532 4533		
6,71	PLECOPTERA		5479			4541 4556 4573 4639		
6,76	Ephemera	5438 5496				4684 4688 4690 4838		
	Heptagenia		5487			4904 4925 4945 4969		
	Rhythrogena		5487			4978 4979 5048 5144		
6,77	Gomphomacromia		5475			5145 5146 5167 5365		
	ODONATA	5484	5497			5563 5574 5576		
	Petalura		5492	6,99	INVERTEBRATES, MISC.			5609
6,79	Alarcta		5014	7,00	ALGAE, GEN.	4511 4523 4529		
	HEMIPTERA	5500	5503			4531 4532 4533 4539		
	Micronecta		5485			4541 4556 4591 4639		
	Tettigades		5012			4668 to 4672 4674		
6,82	Anisocentropus		5432			4675 4676 4678 4680		
	Cecetis		5477			to 4688 4690 to		
	Oxyethira		5481			4696 4773 4838 4904		
	Stenopsyche		5483			4925 4969 5341 5375		
	TRICHOPTERA	5478 5485	5507			5453 5568 5637		
6,83	Menyanthes		5447	7,03	Canteria			5284
6,84	Agabus		5518		Chlamydomonas	4777		4912
	COLEOPTERA		5493		Platymonas			5452
				7,06	Chlorella	4536 4640 4641		5102
						5456		
					Neochloris			5559
				7,08	Ulothrix			5559
				7,12	Haxenia			5559
				7,15	Spirogyra			5175

7,16	DESMIDIACEAE	4773	5571	9,10	EMBRYOPHYTA, GEN.	4976
	Staurostrum		5449			
7,17	Acetabularia		4570	9,43	Elodea	4914 5523
	Siphonocladus		5586	9,44	Eichhornia	5338
	Vaucheria		4970	9,50	Lemna	4975
7,18	CHARACEAE		5640	9,75	Daphne	5296
7,31	CHRYSTOPHYCEAE	4577	5451	9,86	Bignoniaceae	4633
7,32	Coccolithus	4585	4588		GLOBULARIACEAE	4633
	Mallomonas		5450		LENTIBULARIACEAE	4633
	Ochromonas		5454		MARTYNIACEAE	4633
7,41	BACILLARIOPHYCEAE	4672	4642		OROBANCHACEAE	4633
		4971 5130 5294	5322		PEDALIACEAE	4633
					PHYRMACEAE	4633
					PLANTAGINACEAE	4633
7,63	Exuviella		4585	9,87	Strychnos	5000 5001
7,66	Gymnodinium		5284	9,89	ADOXACEAE	4633
	Noctiluca		5658		CAPRIFOLIACEAE	4633
7,67	PERIDINIOIDEAE		4596		RUBIACEAE	4633
7,70	Euglena		5457		VALERIANACEAE	4633
	EUGLENINEAE		4794	9,97	AQUATIC EMBRYOPHYTES	4556 4836
7,72	Cylindrocarpus		4574		5192	
7,80	Hormosira		4913		HIGHER PLANTS, AQUATIC	4556 4836
7,81	RHODOPHYCEAE		4558			
7,82	Porphyra		4885			
7,87	Cordylecladia		4963			
	Gracilaria		4940			
	Gracilariopsis		4940			
7,99	ALGAE, MISC.	4572	4573			
		4751	4836			
		5183	5192			
8,01	BACTERIA	5184	5442	to	5445	
		5674				
	Streptococcus		4900			
8,33	Chytridiomycetes		4973			
	Ichthyosporidium		4811			
8,74	Odontia		5295			
8,94	MONILIALES		4974			
8,99	FUNGI, MISC.		4707			



100	AFRICA		5413	5574	157	Federation of Rhodesia and Nyasaland (cont'd)	5547	5548
113	Morocco	4572	5234	5337	5558			
114	Canary Is.			4742	200	NORTH AMERICA		
122	UAR, Southern Region (Egypt)			5223	210	Canada	4501	4549 4645 4658
123	Sudan			5601			4659	4662 4727 4729
124	Eritrea	5054	5399				5395	5430
125	Ethiopia			5502	212	British Columbia	4502	4551 5084
126	Fr. Somaliland			4938			5587	
128	Somalia	5054	5399	5476	214	Ontario		5015 5017
131	Kenya	5064	5399	5407 to	215	Quebec		5155 5610
		5410	5476	5524	216	Newfoundland		4846 5611
132	Uganda			5301	5476	217	New Brunswick	4550 4660
134	Zanzibar and Pemba			5050	5399	220	USA (Alaska)	4637 4645 4700
		5407	5409	5410	5476	230	USA	4504 4524 4555 4637
136	Mauritius			5569			5162	5169 5196 5200
140	Africa, W. Central			4623	4625		5207	5257 5271 5540
		4626					5570	5612
141	Sudanese Republic			4615	4618	231	Washington State	4553 4916 5264
		4630	4938			231	Oregon	4595 4928 5203 5264
141	State of Senegal	4615	4618	4630		231	Idaho	5669
		4938				232	California	4701 to 4704 4717
141	Islamic Republic of Mauritania						5194	5195 5264 5282
		4615	4618	4630	4938		5406	5571 5603 5604
141	Republic of the Ivory Coast					232	Nevada	5571
		4615	4618	4630	4938	232	Utah	5671 5672
141	Republic of Dahomey	4615	4618			232	Arizona	5571
		4630	4938			233	Wyoming	5670
141	Republic of Upper Volta	4615				234	Minnesota	4548
		4618	4630	4938		234	Iowa	5069
141	Republic of Niger	4615	4618			234	Wisconsin	4518 4632
		4630	4938			234	Illinois	4773
141	Fr. Cameroons	4628	4938			234	Kentucky	4511
141	Republic of Guinea	4615	4618			235	Oklahoma	4610 5157 5158 5159
		4630	4938	5037		235	Mississippi	5607
142	Cape Verde Is.			4721		236	USA, New England	4815 4863 5394
142	Port. Guinea			4721		236	Maine	4712 5272 5613
143	Liberia	4721	5230			236	Massachusetts	4713 4792
144	Gambia	4620	4721			236	Connecticut	4719 5279
144	Sierra Leone	4629	4721			237	USA Middle Atlantic States	
144	Ghana	4721	4734	5519				4566
144	Br. Togoland			4721		237	New Jersey	4815 5280
144	Fr. Togoland	4721	4938			237	Maryland	4066 4304 4908 4926
145	Nigeria	4619	4721				5125	5127 5283
145	Br. Cameroons	4628	4721			237	Virginia	4720 5273
146	Gabonese Republic			4938		237	Pennsylvania	4720 5003
146	Republic of Tchad			4938		238	N. Carolina	5259
146	Republic of Congo			4938		238	S. Carolina	5274
146	Central African Republic			4938		238	Florida	4512 4539 4612 4705
147	Belg. Congo	4935	5049				4706	4707 5198 5276
151	Angola			5485			5293	5359 5360 5363
154	Union of S. Africa	4766	5253			240	Bermudas	4543 4956 5116
		5399	5476	5544	5545	250	Greenland	4635 4804 4812 4816
		5546	5596				4817	
155	Mozambique			5050				
157	Federation of Rhodesia and Nyasaland	4848	4930	5485	5499			

300	LATIN AMERICA					511	<u>Denmark</u>	4685	5221	5402	5403
								5624			
311	Mexico	4747	to	4752	5231	513	Iceland	4737	4738	4765	4770
		5232	5233					5122	5227	5228	
312	Guatemala			4735		514	Norway	4725	4753	4754	4816
314	Costa Rica		4731	5168	5220			5063	5236	5237	5238
315	Panama	4755	4756	4772	5240			5304	5404	5550	5624
		5241	5537			516	Sweden		4691	5249	5624
321	Br. Caribbean Federation			5121		517	Finland		4783	4922	5043
		5575				520	<u>Western area</u>				4556
322	Cuba		4732	4832	5046	521	Netherlands	4724	5059	5235	5550
331	Colombia			4722	5219	522	Belgium				5542
332	Venezuela		4771	4932	5543	524	France	4577	4578	4584	4636
333	Br. Guiana				5065			4820	5009	5134	5224
334	Surinam			4775	5065	531	Ireland	4741	5060	5500	5525
335	Fr. Guiana			4838	5065	532	UK		5055	5123	5211
341	Ecuador				4722	533	England	4682	4767	to	4770
342	Peru		4722	4757	5242			4847	4983	5163	5164
343	Chile	4722	4730	5062	5218			5172	5256	5470	5478
351	Brazil	4726	5042	5056	5543			5479	5487	5493	5497
		5549						5501	5516		
353	Argentina		4969	4990	5812	533	Wales				5172
						534	Scotland	4962	5431	5498	5503
400	ASIA					541	Portugal	4573	4818	4997	5244
								5245			
413	Israel			4585	4960	542	Spain	4573	4759	to	4764
414	Jordan				4585			4837	5038	5247	5248
417	Iran			4740	5034			5332	5335	5336	5337
421	Pakistan				5357			5339	5340	5341	5675
423	India	4611	4739	4929	4934	540	Balearic Is.				4559
		4937	5048	5129	5130	543	Italy	5109	5551	5552	5553
		5386	5593	5602	5640			5556			
		5644	5645	5646	5653	543	Sicily				5556
		5654	5656	5657	5659	551	Yugoslavia	4594	5020	to	5028
		5660						5033	5375	5376	
424	Ceylon				5217	553	Greece			5225	5226
424	Maldiva Is.				5641	555	Romania				5094
425	E. Pakistan			4836	5239	556	Turkey				5373
428	Fr. India				4938	556	Anatolia				5594
433	Singapore				4823	561	Germany				4593
434	Java				5426	561	Federal Republic of Germany				
436	N. Borneo				4992			4646	to	4655	4733
437	Philippines			4758	5636			4844	5044	5045	5367
441	Chinese People's Republic				5330			5368	5370	5562	5565
		5606						5577	to	5581	5589
442	Hong Kong				4736			5624			
444	Korea			4746	5229	562	Switzerland				5614
451	Japan	4597	4743	4744	4745	563	Austria				5051
		4864	4871	4888	4940	571	German Democratic Republic				5066
		5052	5057	5209	5210	572	Poland			4994	5243
		5398	5427			573	Czechoslovakia		4515	4978	5035
451	Japan, Hokkaido				5010			5036	5070	5149	5151
451	Japan, Honshu				4602			5160			
453	Formosa	5040	5250	5251	5252	600	OCEANIA				
500	EUROPE			4656	5047	610	Australia	4725	4830	5214	5294

612	Western Australia	5370	5423	ASE.08	Adriatic Sea	5021	to	5024
614	Victoria		4850			5027	5029	5030
615	New S. Wales	5061	5010	ASE.10	Black Sea		4853	5320
616	Queensland		5599	ASE.12	G. of Guinea			4616
630	<u>New Zealand</u>	4241	4143					
		5170	5204	I	INDOPACIFIC OCEAN	4537	4716	
634	Campbell I.		5141			4866	5136	5204 5358
637	Auckland I.		5041					
641	Fr. Oceania	4715	4030	IN	Pacific, N.	4519	4599	4603
673	Caroline Is.		4052			4605	4688	4690 4723
						5208	5563	
700	USSR	4633	4670	IN.01	Japan Sea	4508	4519	5322
		4826	5209	IN.02	Sea of Okhotsk		4508	4519
			5051	IN.03	Bering Sea			4508
710	<u>Russian FRSR</u>	4505	4060	ISW	Indian Ocean			5222
		5136	5058	ISW.05	Arabian Sea		5176	5637
				ISW.06	B. of Bengal		5651	5664
800	SPECIAL INTERCONTINENTAL			ISEW	Indopacific, Central	4870	4950	
	REGIONAL GROUPINGS					5115		
817	Tropics		5192	ISEW.04	E. China Sea	4519	4887	5379
820	<u>Antarctic Continent</u>	5305	5325			5380	5381	
863	Fr. Community		4938	ISEW.05	Yellow Sea	5379	5380	5381
A	ATLANTIC OCEAN	4946	4947	P	POLAR SEAS			
AN	<u>Atlantic, N.</u>	4561	4720	PN	<u>Arctic Ocean</u>		4778	4911
		4904	4911	PN.01	N. Polar Basin			5319
ANT	Atlantic, N.W.	4658	4710	L	INLAND SEAS AND			
		4807	4948		INTERTERRITORIAL LAKE			
		5635	5122		SYSTEMS			
ANW.04	G. of St. Lawrence	4809	4806	L.11	<u>East African Lakes</u>	5156	5190	
		4809				5413		
ANW.05	G. of Maine		4810	L.21	<u>American Great Lakes</u>	4520	4542	
ANW.06	Chesapeake B.	4711	4824			4606	5216	
ANE	Atlantic, N.E.	4680	4630	L.72	<u>Caspian Sea</u>	4506	4858	5034
		4841	5113	L.75	<u>L. Baikal</u>			4506
			5114					
ANE.01	White Sea		5323					
ANE.02	Barents Sea	4682	5323					
ANE.04	North Sea	4683	4824					
		4961	5346					
		5618	5371					
ANE.05	Baltic Sea	4639	4811					
ANE.08	English Channel		4673					
ANE.10	Norwegian Sea		4684					
AS	<u>Atlantic, S.</u>		4058					
ASW	Atlantic, S.W.		5117					
ASE.01	G. of Mexico	4512	4700					
		4957	5161					
		5199	5361					
ASE.02	Caribbean Sea		5131					
ASE.02	Mediterranean Sea		4545					
		5595	4547					
ASE.03	Mediterranean Sea, Western	4588						
		5144	5145					
ASE.05	Mediterranean Sea, Eastern		5146					
			5333					
			4560					



Chaine, J. (1958) 59-6613
Bull. Cent. Etud. Rech. sci. Biarritz, 2
 141-242
 Recherches sur les otolithes des
 poissons. Etude descriptive et
 comparative de la sagitta des Téléostéens
 (Study of otoliths of fish. Descriptive
 and comparative study of the sagitta
 of Teleosteans)

Gives size of otolith & fish,
 descriptions & variations of otoliths of
 spp. of the families Centrolophidae,
 Nomeidae, Bramidae, Stromateidae,
 Coryphaenidae, Chaetodontidae, Caproidae,
 Zeidae, Cyclopteridae, Gobiesocidae,

Kisch, B.S. (1958) 59-6616
Bull. Cent. Etud. Rech. sci. Biarritz, 2
 251-2
Balanus tulipiformis Ellis au Musée
 de la Mer, Biarritz (Balanus
tulipiformis Ellis at the Museum of the
 the Sea, Biarritz)

Records of the sp. for the south-
 western coast of France.

FAO:hr

M

59-6613
 (Card 2)
 Centriscidae, Atherinidae,
 Gasterosteidae, Ammodytidae, &
 Ophidiidae.

FAO:hr

Joly, R. (1958) 59-6617
Bull. Cent. Etud. Rech. sci. Biarritz, 2:
 Contribution à la connaissance de la
 faune planctonique des étangs de la
 région landaise (2me note) - (12)
 (Contribution to the knowledge of
 planktonic fauna of ponds of the
 Landaise region - 2nd note - 12)

Records of spp. of Cladocera,
 decapods, hydrozoa & others.

FAO:hr

F

Vibert, R. (1958) 59-6615
Bull. Cent. Etud. Rech. sci. Biarritz, 2
 243-7
 Sensibilité à la fatigue des poissons.
 Conséquences en matière de
 repeuplement (Sensitiveness to
 fatigue by fish. Consequences in
 stocking)

Considerations & experiments with
 salmonids on causes of mortality by
 fatigue during transportation &
 stocking.

FAO:hr

F

Hyman, L.H. (1959) 59-6618
New York, McGraw-Hill Book Co., Inc.,
 783 p.
 The invertebrates: smaller Coelomate
 groups - Chaetognatha, Hemichordata,
 Pogonophora, Phoronida, Ectoprocta,
 Brachipoda, Sipunculida. The
 coelomate Bilateria

A chapter is devoted to each phylum,
 giving historical review of research
 on it, account of its characters,
 anatomy & embryology, & ecology &
 physiology - for some phyla -,
 relationships, & bibliography. Final

59-6618
(Card 2)
chapter reviews recent literature
relating to phyla treated in previous
volumes.

GLK:glk

Habata, Z. (1959) 59-6622
J.Mar.biol.Ass.U.K., 38:249-61
Ecology of the genus Acanthochondria
Oakley (Copepoda parasitica)

A. fluræ, A. clavata, A. limandæ &
A. cornuta are discussed in relation
to their hosts, the flatfishes. The
4 spp. differ in distribution &
in distribution on their respective
hosts, all with the exception of A.
fluræ choosing well protected
environments, which vary with the host.

GLK:zk

M

Morton, J.E. (1959) 59-6620
J.Mar.biol.Ass.U.K., 38:225-38
The habits and feeding organs of
Dentalium entalis

A specialized burrower in medium to
coarse sands & its chief or only diet
is of Foraminifera. Burrowing is
performed by a muscular, very extensible
tongue-like foot. The foraminifera_ns are
captured by very numerous extensible
head tentacles or captacula. Digestion
appears to be wholly extracellular, &
the digestive tubules are compared in
structure with those of other mollusca.

GLK:jem

M

Krishnaswamy, S. (1959) 59-6623
J.Mar.biol.Ass.U.K., 38:263-6
Respiration in Chondracanthus zeii
De la Roche (Copepoda)

The rate of oxygen consumption in
C. zeii varied from 0.19 to 1.8 l./mg
dry wt/h depending on the body weight.
There is a fall in respiratory rate
with time. The metabolic rate as
reflected by O₂ requirements shows
that the animal may consume about
3.85% of its own body weight of food
per day.

GLK:sk

M

Thompson, T.E. (1959) 59-6621
J.Mar.biol.Ass.U.K., 38:239-48
Feeding in nudibranch larvae

The mechanism of food capture & the
movement of food particles within the
gut are described from observations
on Archidoris pseudoargus. Less detailed
observations on the larvae of 12 other
nudibranch spp. showed similar
mechanisms to exist in all. Ingestion &
assimilation of food particles occur
solely in the left midgut diverticulum
or digestive gland.

GLK:tet

M

Boney, A.D. & 59-6624
E.D.S. Corner (1959)
J.Mar.biol.Ass.U.K., 38:267-75
Application of toxic agents in the
study of the ecological resistance
of intertidal red algae

Algae from various ecological groups
show marked differences in their
resistance to changes in the
temperature of the surrounding sea
water. The results obtained from
experiments are consistent with the
view that the proportion of lipid
material present in the cell membrane
is important in determining the

59-6624
(Card 2)

susceptibility of an intertidal red alga to increased sea-water temperature.

GLK:hr

M

59-6627
(Card 2)

concentrations increase most rapidly. It is possible that astaxanthin is a vitamin A precursor in euphausiids.

GLK:lrf

M

Yonge, C.M. (1959) 59-6626
J.Mar.biol.Ass.U.K., 38:277-90
On the structure, biology and systematic position of Pharus legumen (L)

Following description of the sp. with an account of the pallial structures, organs in the mantle cavity, nature of the ciliary currents on the mantle & the ctenidia, & the course of the alimentary canal, reason is given for its transference to the Tellinacea.

GLK:cmv

M

Stride, A.H. (1959) 59-6629
J.Mar.biol.Ass.U.K., 38:313-8
A linear pattern on the sea floor and its interpretation

An acoustic survey has been made of 2 regions where there is marked geographical variation in the nature of the surface sediments. It is shown that the patches are elongated parallel to the prevailing path of the tidal streams & a mechanism of origin is suggested.

GLK:ahs

M

Fisher, L.R. & 59-6627
E.H. Goldie (1959)
J.Mar.biol.Ass.U.K., 38:291-312
The food of Meganyctiphanes norvegica (M.Sars), with an assessment of the contributions of its components to the vitamin A reserves of the animal

Performed vitamin A is present in compound eyes & its precursor, β - carotene, in dinoflagellates, diatoms, algae & fern sporangia, all of which are eaten by M. norvegica. In the spring, however, when the food consists almost entirely of copepods with astaxanthin as their main carotenoid, vitamin A

Manton, I. (1959) 59-6630
J.Mar.biol.Ass.U.K., 38:319-33
Electron microscopical observations on a very small flagellate: the problem of Chromulina pusilla Butcher

C. pusilla has been examined morphologically & anatomically. In spite of their small size all parts are structurally normal. The anatomical & biochemical evidence indicates that this flagellate has been placed in the wrong group. An emended diagnosis is inserted as a guide to the ultimate reclassing & renaming of the organism.

GLK:im

M

Atkins, D. (1959) 59-6631
J.Mar.biol.Ass.U.K., 38:335-50
The early growth stages and adult structure of the lophophore of Macandrevia cranium (Müller) (Brachiopoda, Dallinidae)

The early growth stages of lophophore & loop at a shell length of 1.0-5.3 mm are described. The growth of the brachial support is marked by exceptionally early development of the descending branches of the loop & a late development & early disappearance of the septum. The structure of the adult plectolophous lophophore is described.
GLK:da M

Ralph, F.L. (1959) 59-6634
J.Mar.biol.Ass.U.K., 38:369-79
Notes on the species of the pteromedusan genus Tetraplatia Busch, 1851

Collections of Tetraplatia made by R.V. Sarsia from 1955 to 1957 are described & discussed in relation to specimens taken by other research vessels - DISCOVERY II, CARNEGIE VII, RESEARCH & EXPLORER. The results confirm that T. volitans & T. chuni are separate spp. which can be easily separated both in the juvenile & adult stages. T. volitans is regarded

Carlisle, D.B. (1959) 59-6632
J.Mar.biol.Ass.U.K., 38:351-9
Moulting hormones in Palaemon (=Leander) (Crustacea decapoda)

The mean intermoult period at any one temperature is shorter for Roscoff populations of Palaemon (=Leander) serratus than Plymouth ones. Eyestalk ablation leads to significant shortening of the intermoult period in prawns from Roscoff but to significant lengthening of this period in prawns from Plymouth. An endocrinological explanation of these experiments is proposed.
GLK:hr M

59-6634
(Card 2)
as more highly specialized than T. chuni.
GLK:pmr M

Forster, G.R. (1959) 59-6633
J.Mar.biol.Ass.U.K., 38:361-7
The ecology of Echinus esculentus L. Quantitative distribution and rate of feeding

The numbers of Echinus esculentus have been counted in a total area of over 5,000 m² & the overage density is 860 per acre. A few tests on the rate at which Echinus browse on algae & sessile animals have also been made. Where urchins are abundant they are capable of sweeping clear at least one third of the whole rock surface in the course of a year.
GLK:hr M

Carlisle, D.B. (1959) 59-6636
J.Mar.biol.Ass.U.K., 38:381-94
On the sexual biology of Pandalus borealis (Crustacea decapoda)

The X organ-sinus gland complex of P. borealis ill. a condition which is relatively primitive in decapods; the complex is described & the histology & topography of the various parts figured. The vas deferens gland (glande androgène) is described & its special features noted. The correlation between its condition & the sexual state of this protandric hermaphrodite is stressed.
GLK:dbc M

Howie, D.I.D. (1959) 59-6637
J.Mar.biol.Ass.U.K., 38:395-406
The spawning of Arenicola marina (L.)

The relationships between environmental conditions & the onset of the breeding season are analysed in greater detail in England, Scotland & Ireland, & the possibility of a spring breeding season re-examined.

GLK:hr

M

59-6639
(Card 2)
is suggested that the greater length of the migration in the larger immature cod is related to the continued high level of thyroid activity.

GLK:adw

M

Woodhead, A.D. (1959) 59-6638
J.Mar.biol.Ass.U.K., 38:407-15
Variations in the activity of the thyroid gland of the cod, Gadus callarias L., in relation to its migrations in the Barents Sea - I. Seasonal changes

A seasonal cycle of activity has been demonstrated in the thyroid gland of both adult & immature cod. It has been suggested that thyroid activity may initiate & sustain the active migration of the cod.

GLK:adw

M

Barnes, H. (1959) 59-6641
J.Mar.biol.Ass.U.K., 38:423-4
Sea surface temperatures at Millport

Daily records show the form of the annual temperature regime to be typical of boreal waters; there are, however, considerable variations from year to year, not only in the mean values but also in the temperature pattern & these variations are of ecological significance.

GLK:hr

M

Woodhead, A.D. (1959) 59-6639
J.Mar.biol.Ass.U.K., 38:417-22
Variations in the activity of the thyroid gland of the cod, Gadus callarias L., in relation to its migrations in the Barents Sea - II. The "dummy of run" of the immature fish

The average length of the immature cod caught between Bear island & the Norwegian coast in March 1956 increased from north to south & it appeared that the length of the southerly overwintering migration increased as the fish became older. It

Spain. National FAO 59-6642
Committee (1957).
Madrid, 146 p.
Informe sobre la agricultura y la alimentación 1955-1956 (Report on food and agriculture 1955-1956)

Reports on number of licenses issued, sport fishing, pollution & stocking of rivers with salmon, trout, carp, rainbow trout, pike & black bass; total & specific production of marine fishes & whales production of processed products, number of fishermen & craft, legislation, assistance to fishermen & research.
FiB:hr MF

Burkill, D.M. (1958) 59-6643
Thesis, Univ. of Cambridge, U.K.
Behaviour, ecology, and taxonomy of
Crenobia alpina

F

Vickers, T. (1958) 59-6646
Thesis, Univ. of Cambridge, U.K.
A study of the cytology of secretion
with special reference to the chloride
secretory cells of fishes' gills and
the golgi apparatus of epithelial
cells

MF

Johnson, P.O. (1958) 59-6644
Thesis, Univ. of Cambridge, U.K.
The behaviour of fish in electric
fields

MF

Adams, R.D. (1958) 59-6647
Thesis, Univ. of Cambridge, U.K.
The theory, design and application of
a new type of long-period horizontal
seismograph

MG

Lockwood, A.P.M. (1958) 59-6645
Thesis, Univ. of Cambridge, U.K.
The osmotic and ionic regulation of
the isopods Mesidotea entomon (L.)
and Asellus aquaticus (L.)

M

Smith, A.R. (1958) 59-6648
Thesis, Univ. of Cambridge, U.K.
An experimental study of the effect
of rotation on the flow of a
baroclinic liquid

MG

Vasco Costa, F. & 59-6649
J. Pinza Perestrelo (1959)
Dock Harb. Author., (460):
Modification of the sea bed with a view
to concentration and dispersal of sea
waves

M

Yale, D.E. (1957?) 59-6652
Dubuque, Iowa, Wm.C. Brown Co., 197 p.
How to know the seaweeds

WR (92):7. Manual for amateur or
beginning student of marine algae. It
covers Atlantic, Gulf, & Pacific
coasts of U.S. Omitted are very small,
rare, or local algae.

:wr

M

Anonymous (1959) 59-6650
Hansa, 96:1075-6
Veränderungen der Meereswellen durch
Massnahmen am Meeresboden (Changes
of the sea waves by measures on the sea
floor)

A critical review of 59-6649.

FAO:

M

Allen, D.L. (1958) 59-6653
Fisherman, 9(6):17, 84-7
Pesticides - A major problem for
anglers and hunters

WR (92):16.

MF

Van Oosten, J. (1957) 59-6651
Ann Arbor, Mich., 86 p.
Great Lakes fauna, flora and their
environment - A bibliography

WR (92):5.

F

Cope, O.B. & 59-6654
P.F. Springer (1958)
Bull.ent.Soc.Amer., 4(2):52-6
Mass control of insects: the effects
on fish and wildlife

WR (92):16.

F

George, J.L. (1957) 59-6655
New York Conserv. Found. (mimeo) 57 p.
The pesticide problem - A brief review
of present knowledge and suggestions
for action

WR (92):17. Effects of DDT, other
insecticides, herbicides, & fungicides
on wildlife are reviewed. Their broader
effects on public health, soils, &
food chains are considered.

:WR

F

Armstrong, W.W. (1958) 59-6658
Wildl. Bull. Ariz. Fish & Game Dep., (4)
36 p.
The economic value of hunting and
fishing in Arizona in 1956

WR (92):23.

F

Webbe, G. (1957) 59-6656
Ann. trop. Med. Parasit., 51(3):264-70
The action on fish of several
chlorinated hydrocarbons when used as
larvicides

WR (92):18.

WR

Buckley, J.L. (1957) 59-6659
Biol. Pap. U. Alaska, (1):33 p.
Wildlife in the economy of Alaska

WR (92):23. A detailed economic
appraisal for 1957. Commercial,
recreational, scientific, & esthetic
values are considered & methods are
explained.

:WR

F

Anonymous (1957) 59-6657
World Hlth Org. Bull., 16(6):1219-41
Select bibliography on the toxicity
of pesticides to man and animals 1953-
1955

WR (92):18.

WR

Hay, K. (1958) 59-6660
Colo. Outd., 7(4):1-4
Wildlife bonanza

WR (92):24. Economic value of
wildlife in Colorado in 1957.

:WR

F

New Jersey. Division of Fish and Game (1958) 59-6661
68 p.
Annual report of Division of Fish and Game for the fiscal year commencing July 1, 1956 and ending June 30, 1957

WR (92):26.

MF

Eipper, A.W. & H.B. Brumsted (1958) 59-6664
Cornell Ext.Bull., (1014):32 p.
How to control weeds and algae in farm ponds

WR (92):28. Discusses proper pond construction, fertilization, & mechanical control. More attention is given to control with chemicals. Formulas & formulation tables are provided.

WR

F

Nova Scotia. Department of Lands and Forests (1958) 59-6662
Halifax, Queen's Printer, 103 p.
Report of the Department of Lands and Forests, fiscal year ending March 31, 1957

WR (92):26. Incl. a report on investigation of charges that double-crested cormorants were doing damage by eating young salmon & raiding fish traps.

WR

F

Graham, C.J. (1957) 59-6665
Proc.Calif.Weed Conf., 9:67-72
New developments in submersed aquatic weed control

WR (92):28.

MF

Cook, A.H. & C.F. Powers (1958) 59-6663
N.Y.Fish Game J., 5(1):9-65
Early biochemical changes in the soils and waters of artificially created marshes in New York.

WR (92):27.

F

Hopkins, W.L. (1957) 59-6666
Proc.Calif.Weed Conf., 9:29-33
Cattail and tule control

WR (92):28.

F

Fridriksson, A. (1959) 59-6667
J.Cons.int.Explor.Mer., 24:211-4
Age Vedel Tåning 1890-1958

An obituary & short bibliography.

GLK:sjh

M

Yentsch, C.S. & J.H. Ryther (1959) 59-6670

J.Cons.int.Explor.Mer., 24:231-8
Relative significance of the net
phytoplankton and nanoplankton in the
waters of Vineyard Sound

Chlorophyll content, photosynthesis,
& cell numbers have been compared in
the net- & nanoplankton. The net
portion comprised a small percentage
of the total population & exhibited
marked seasonal trends while the
nanoplankton did not.

GLK:csy

M

Smayda, T.J. (1959) 59-6668
J.Cons.int.Explor.Mer., 24:215-20
The seasonal incoming radiation in
Norwegian and Arctic waters, and
indirect methods of measurement

Comparison of estimates by three
different formulae; relation of
results to phytoplankton production
cycle. (issued as: Contr.Woods Hole
oceanogr.Instn., (964)).

GLK:sjh

M

Holt, S.J. & al. (1959) 59-6671
J.Cons.int.Explor.Mer., 24:239-42
A standard terminology and notation
for fishery dynamics

Report, with recommendations of a
committee established by the Joint
Scientific Meeting of ICES/ICNAF/FAO,
Lisbon 1957. Table of symbols & of
definitions & terms in English,
Japanese & German.

GLK:sjh

MG

Kriss, A.E. (1959) 59-6669
J.Cons.int.Explor.Mer., 24:221-30
The role of microorganisms in the
primary production of the Black Sea

Field studies of autotrophic bacteria
in Caspian, NW Pacific, Arctic ocean
& Black Sea, which, at least in the
latter area contribute more to total
primary production than do plants.
Depth distribution; substrate;
filamentous sulphur bacteria.

GLK:sjh

M

Rass, T.S. (1959) 59-6672
J.Cons.int.Explor.Mer., 24:243-54
Biogeographical fishery complexes of
the Atlantic and Pacific oceans and
their comparison

Comparative study of quantities &
taxonomic composition of catches,
explanation of differences in terms
of climatic history. Suggestions for
enriching the poorer Atlantic fauna.

GLK:sjh

M

Strasburg, D.W. (1959) 59-6673
J.Cons.int.Explor.Mer, 24:255-63
An instance of natural mass mortality
of larval frigate mackerel in the
Hawaiian islands

Study of 3000 specimens of Auxis sp.
from plankton samples, their
appearance, size composition &
examination of various hypotheses as to
cause of death.

GLK:sjh

M

Cushing, D.H. (1959) 59-6676
J.Cons.int.Explor.Mer, 24:283-307
On the effect of fishing on the
herring of the southern North Sea

Analysis of mortality, growth &
maturity of Clupea harengus;
interpretation of yield variability;
general assessment of this resource.

GLK:sjh

M

Wood, R.J. (1959) 59-6674
J.Cons.int.Explor.Mer, 24:264-76
Investigations on 0-group herring

Study, from 1953-55 of young Clupea
harengus from English east coast;
distinction of groups by vertebral
number, length & distribution.
Appendix gives key for identification
of summer spawned herring.

GLK:sjh

M

Menzel, D.W. (1959) 59-6677
J.Cons.int.Explor.Mer, 24:308-13
Utilization of algae for growth by
the angelfish, Holacanthus bermudensis

Experiments with this Bermuda reef
fish. The predominantly herbivorous
angelfish was fed on algae alone at
2 temperatures. Some weight was gained
at 28°C but weight loss occurred at
19°. Gain at 28°C was attributed to
the deposition of lipids. No protein
was deposited. It is doubtful whether
angelfish can grow on plant matter
alone unless rate of intake in nature

Cushing, D.H. & 59-6675
A.C. Burd (1959)
J.Cons.int.Explor.Mer, 24:277-82
The interpretation of the East Anglian
herring data, 1924-1955

Reply to 584949. Criticisms of
previous paper, under headings:
environment; advance in maturity;
mortality rates; Hodgson's hypothesis
on the effect of the industrial
fishery on East Anglian recruitment.

GLK:sjh

M

59-6677
(Card 2)
far exceeds the observed maximum
feeding rates in captivity.

GLK:sjh

M

Frost, W.E. & 59-6679

C. Kipling (1959)

J.Cons.int.Explor.Mer, 24:314-41

The determination of the age and growth of pike (Esox lucius L.) from scales and opercular bones. De

Comparative tests of methods & establishment of their validity by tagging. Detailed study of methods of back calculation.

GLK:sjh

F

Cole, H.A. & 59-6682

G.D. Waugh (1959)

J.Cons.int.Explor.Mer, 24:355-65

The problem of stunted growth in oysters

Study of Ostrea edulis populations on British coasts; examination of relation of low temperature, food shortage, bombardment with current-borne mineral particles, infestation with Polydora, shell disease, & cultivation practices to stunting.

GLK:sjh

F

Thomas, H.J. (1959) 59-6680

J.Cons.int.Explor.Mer, 24:342-8

Creel selectivity in the capture of lobsters and crabs

Experiments with "open" & "shuttered" traps with various eye openings; their efficiency in capturing Cancer & Homarus in Scottish waters. Significance with regard to fishing efficiency & interpretation of catch samples.

GLK:sjh

M

Gibson, F.A. (1959) 59-6683

J.Cons.int.Explor.Mer, 24:366-71

Notes on the scallop (Pecten maximus L.) in three closely associated bays in the west of Ireland

Growth, gonad developments, size distributions compared. Proposed improvement of fishery by imposing size limits & fixing minimum spacing of dredge teeth, rather than by close season.

GLK:sjh

M

Gibson, F.A. (1959) 59-6681

J.Cons.int.Explor.Mer, 24:349-54

Some observations on the occurrence of Leander serratus Pennant, in Irish waters

Experimental & exploratory fishing with creels; catch per unit effort; relation of catches to abundance of shore crabs, & effect of this on bait efficiency; relation to Zostera distribution; size & maturity of individuals in catches.

GLK:sjh

M

Nielsen, E.S. (1959) 59-6684

J.Cons.int.Explor.Mer, 24:372-3

A central agency for ¹⁴C determination (measurements of primary production in the sea) at Charlottenlund Slot, Denmark

Announcement of conditions under which ampoules & kits will be supplied & counts made.

GLK:sjh

M

Holt, S.J. (1959) 59-6685
J.Cons.int.Explor.Mer., 24 374-6
Water temperature and cod growth-rate

Critical comment on 584947. Presents comparative data for Rastrelliger & other scombroids.

GLK:sjh

Hane, S. (1959) 59-6688
Proc.nat.Acad.Sci., U.S., 45:886-93
Changes in plasma 17-hydroxycorticosteroids accompanying sexual maturation and spawning of the Pacific salmon (Oncorhynchus tshawytscha) and rainbow trout (Salmo gairdnerii)

Experimental study of fish taken off west coast of U.S.

FAO:sjh

MF

Phillips, J.G. & 59-6686
I.C.Jones (1957)
J.Endocrinol., 16
/Title unknown/

Study of adrenal corticosteroids in ray, dogfish, cod, lungfish.

:sjh

M

Filice, F.P. (1958) 59-6689
Wasmann J.Biol., 16(2):159-211
Invertebrates from the estuarine portion of San Francisco bay and some factors influencing their distributions

Incl. the results of a survey of the invertebrate fauna living in the substrate of the estuarine portion of San Francisco bay, during which natural variables - hydrogen ion content, oxygen content, & salinity of the water were observed. Artificial variable of pollution

Idler, R. & 59-6687
Schmidt (1959)
J.Amer.chem.Soc., March 5
/Title unknown/

Report on the isolation of cortisone & cortisol from the blood plasma of Pacific salmon, Oncorhynchus nerka.

:sjh

MF

59-6689
(Card 2)
was also observed & the results compared with those of previous surveys.

PiB:lr

MF

McWhinnie, M.A. & 59-6691
B.T. Scheer (1958)
Science, 128:90
Blood glucose of the crab Hemigrapsus
nudus

CFA 11(11):11. Study of carbohydrate metabolism in crustaceans to learn whether glucose is actually present in normal blood &, if so, at what levels of concentration. Crabs were collected near Charleston, Oregon, & brought to the laboratory in Eugene, where they were maintained for 5 to 10 days after capture in sea-water aquaria until blood was drawn. The stage of the animals in

Kelly, P.B., R. Reiser 59-6694
& D.W. Hood (1958)
J.Amer.Oil Chem.Soc., 35:503-5
The effect of diet on the fatty acid composition of several species of fresh water fish

CFA 12(1):13. Fish were fed a series of synthetic diets. They were Ameiurus natalis natalis, Lepomis macrochirus macrochirus, Ambloplites rupestris ariommus, Ictiobus bubalus & Salmo gairdnerii irideus.

:sjh

F

59-6691
(Card 2)
the intermolt cycle was determined by the method of Drach (1939), as modified for this sp. by Kincaid & Scheer (1952).

FAO.cfa

H

Murray, J.J. (1958) 59-6695
Maine Cst Fisherm., 13:12
New winch-head contributes to greater trawler safety

CFA 12(1):13. To eliminate manual handling of wire cables in 2 of the most hazardous operations connected with this fishery, the U.S. Fish & Wildlife Service installed a new type winch-head on the FWS DELAWARE. Testing of the device was carried out during a recent trip.

:cfa

H

Hirst, E.L. (1958) 59-6693
Proc.chem.Soc., Lond., July:177-87
Polysaccharides of the marine algae

CFA 12(1):9. Chemical analysis of La Laminaria, Fucus, Irideae, Golidium, Dilsea & Chondrus.

:sjh

F

Anonymous (1958) 59-6696
Nutr.Rev., 16:22-3
Biological value of algae protein

CFA 12(1):23. Cultured algae can serve as an efficient source of protein that has high biological value.

cfa

F

MacLeod, R.A. & 59-6697
E. Onofrey (1957)
J.cell.comp.Physiol., 50:389-401
Nutrition and metabolism marine
bacteria - III. The relation of sodium
and potassium to growth

CFA 12(3):19.

M

Thurston, C.E. (1958) 59-6700
Food Res., 23:619-25
Variations in composition of
Southeastern Alaska pink salmon

CFA 12(4):11. Male & female
Oncorhynchus gorbuscha were taken
at the beginning, middle, & close
of the commercial fishing season
near Ketchikan, Alaska, during the
summer of 1956. The samples
represented variations in size & in
maturity.

:cfa

MF

Anonymous. (1958) 59-6698
West.Fish., 57:28-34
Attraction of fish by lights only
effective with certain species

CFA 12(3):3. Tests conducted near the
Scottish coast show that artificial
light primarily attracts whiting,
young herring, & sprats. Even with the
brightest lights (1 $\frac{1}{2}$ KW), no major
aggregations of adult herring were
obtained. Cod, saithe, hake, & ling all
were observed during the experiment.

:cfa

M

Iverson, J.L. (1958) 59-6701
Comm.Fish.Rev., 20:26-7
Technical note no. 47 - Steelhead
trout description and proximate
composition

CFA 12(4) 11. Salmo gairdnerii varies
in size & colour from one habitat to
another. Reports the proximate
analyses of 15 steelhead trout caught
in salt water near Ketchikan, Alaska.

:cfa

MF

Von Eitzen, J. (1957) 59-6699
Fischereivelt, 9 61
The midwater trawl with four otter
boards

CFA 12(3):7. To keep the net vertically
open, the use of a kite is suggested as
in the bottom trawl. Suggestions are
made for constructing the net.

:cfa

M

Wood, J.D. (1958) 59-6702
Canad.J.Biochem.Physiol., 36:1237-42
Nitrogen excretion in some marine
teleosts

CFA 12(4):13. Experiments were
carried out to determine the
composition of the excreta from
different spp. of marine teleosts
with reference to trimethylamine
oxide. The spp. were Leptocottus
armatus, Platichthys stellatus &
Taeniotoxa lateralis, all of which
were caught in the straits of Georgia,
British Columbia, kept in aquaria, &
fed on pieces of lingcod muscle.

:cfa

M

Houser, A. & 59-6703
W.R. Heard (1958)
Proc.Okla.Acad.Sci., 38:137-46
A one-year creel census on Fort Gibson
reservoir

Results of a one-year creel census
on a reservoir.

FiBaweb

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Schultz, L.P. (1958) 59-6706
Proc.U.S.nat.Mus., 108:321-9
Three new serranid fishes, genus
Pikea, from the western Atlantic

II

Dreosti, G.M. & 59-6704
W. Wesemann (1958)
Progr.Rep.Fish.Ind.Res.Inst., (40):1-3
Clearing of sea water by
flocculation

II

Barch, S.H. & 59-6707
J.R. Shaver (1958)
Acta Embr.Morph.exp., 1:211-8
The effects of various agents on the
fertilizing capacity of Rana pipiens
sperm

F

Pennak, R.W. (1958) 59-6705
Trans.Amer.micr.Soc., 77(3):298-303
A new micro-isopod from a Mexican
marine beach

II

Klawe, W.L. (1958) 59-6708
Data Rep.Inter-Amer.trop.Tuna Comm.,
1-17
Data collected on tuna spawning
survey cruise, July 1-20, 1957

II

Clay, W.M. & 59-6700
B.T. Carter (1957)
Trans.Ky Acad.Sci., 18(1):12-3
An albino brook lamprey, Lampetra
aepyptera (Abbott), in Kentucky

F

Dussart, B. (1957) 59-6712
Publ.Inst.Biol.apl.Barcelona, 26:117-2
Récoltes de copépodes (Crustacés) dans
les Pyrénées (Collections of
copepods, crustaceans, from the
Pyrenees)

F

Bailey, J.E. (1958) 59-6710
Montana, (mimeo), 15 p.
Comparing survival, growth and
condition of wild trout and hatchery
rainbow trout reared on two different
diets

F

Alvord, W. (1958) 59-6713
Montana, Dep.Fish & Game, Job Compl.
Rep.Invest.Projects, (mimeo), 6 p.
Trout populations in the marginal
habitat streams of northeastern
Montana

F

Guhl, A.W. (1958) 59-6711
Manuscript, 24 p.
A glossary of terms used in animal
behaviour

MF

Anonymous (1958) 59-6714
Montana Dep.Fish & Game, Job Compl.
Rep.Invest.Projects, (mimeo), 10 p.
Comparisons of fish populations of
six Clearwater lakes

F

Houston, A.H. (1958) 59-6715
Univ. British Columbia, Programme Final
Examination, Ph.D., 4 p.
Locomotor performance and
osmoregulation in juvenile anadromous
salmonids following abrupt
environmental salinity change

HP

Regier, H.A. (1959) 59-6718
New York, Job Completion Rep. Invest.
Project, Job no. 4, Project no. F-17-
R-3:1-12
Evaluation of farm ponds containing
alternative warm water species

F

Hubbs, C.L. & 59-6716
K.F. Lagler (1958)
Bull. Cranbrook Inst. Sci., (26) 1-213
Fishes of the Great Lakes region

Gives descriptive keys & ill. of the
234 spp. & sub-spp. in the lakes &
their tributaries. Introductory pages
give pertinent accounts of zoo-
geography, glaciation, anatomy, &
methods of study. Comments about
distribution

:clh

F

Regier, H.A. (1959) 59-6719
New York, Job Completion Rep. Invest.
Project, Job no. 5, Project no. F-17-
R-3:1-11

Evaluation of channel catfish and
yellow perch as single warm-water
species in farm ponds

F

Regier, H.A. (1959) 59-6717
New York, Job Completion Rep. Invest.
Project, Job no. 3, Project no. F-17-
R-3:1-11
Management of the bass-bluegill
combination in farm ponds

F

Regier, H.A. (1959) 59-6720
New York, Job Completion Rep. Invest.
Project, Job no. 6, Project no. F-17-
R-3:11 p.
Evaluation of an electrical herding
device for farm pond inventory

F

Everhart, W.H. (1958) 59-6721
Maine, Dep. Inland Fish Game, 94 p.
Fishes of Maine

F

Sprague, J.B. (1959) 59-6724
Thesis. Univ. of Toronto, Canada,
125 p.
Resistance to high temperature and
low oxygen in four freshwater
crustaceans, and its ecological
significance

F

Schiffman, R.H. (1959) 59-6722
Sewage industr. Wastes, 31(2):205-11
Chromium-induced changes in the blood
of rainbow trout, Salmo gairdnerii

F

von Haartman, L. (1959) 59-6725
Sessional Examinations, Zool. Univ. B.C.
Canada, (202) 2 p.
Comparative anatomy of vertebrates

MF

Thomson, A. (1959) 59-6723
Canada. Dep. Transport, met. Branch,
CIR-3156, ICE-2, (mimeo) 1-92
Break-up and freeze-up dates of rivers
and lakes in Canada

F

Jarnefelt, H. (1958) 59-6726
Ann. (bot.-zool.) Soc. zool.-bot. Fenn.
Vanamo, 19(5) 31-52
Zur Limnologie einiger Gewässer
Finnlands - XVIII. (On the
limnology of some Finnish waters -
XVIII.)

F

Anonymous (1959) 59-6727
U.S. Fish Wildl. Serv. Bureau of
Commercial Fisheries, 4 p.
Lake Superior biological research
program

F

Raney, E.C. (1957) 59-6730
J. Wash. Acad. Sci., 47(3):69-77
Ichthyology. A key to the species and
subspecies of the cyprinodont genus
Fundulus in the United States and
Canada east of the continental divide

F

Judd, W.W. (1958) 59-6728
Canad. Fld Nat., 72(3) 119-21
Studies of the Byron Bog in southwestern
Ontario - II. The succession and
duration of blooming of plants

F

Iwata, F. (1957) 59-6731
J. Fac. Sci. Hokkaido Univ., Ser. 6, Zool.
13(1-4) 54-8
On the early development of the
nemertine, Lineus torquatus Coe

I.

Berry, F.H. (1958) 59-6729
Quart. J. Fla. Acad. Sci., 20(4):1 p.
Additions to the fishes known from the
vicinity of Cedar Key, Florida

M

Hickman, C.P., Jr. (1958) 59-6732
Univ. B. Columbia, Programme Final Oral
Examination, Ph.D., 4 p.
The osmoregulatory metabolism of the
starry flounder, Platichthys stellatus

H

Basrur, P.K. (1958) 59-6733
Univ. Toronto, Canada, Ph.D. Final Oral
Examination Programme, 3 p.

The salivary gland Chromosomes of seven
segregates of Prosimulium (Diptera:
Simuliidae) with transformed centromere

F

Centro de Cooperacion 59-6736
Cientifica de la UNESCO para
America Latina (1958)

Bol. Cent. Coop. cient. Unesco, (18):112 p.

Contains a summary of the activities
of the Department of Exact and Natural
Sciences of the same organization;
activities of the Centre of Scientific
Cooperation of Unesco for Latin
America & other centres, scientific
& technical activities of other
international organizations, general
news, publications, & list of
scientific meetings.

GLK:hr

G

Bourne, N.F. (1959) 59-6734
Thesis Univ. of Toronto, Canada, 103 p.
The determination of carbon transfer
from Chlorella vulgaris Beyerinck to
Daphnia magna Straus, using radioactive
carbon (C^{14}) as a tracer

F

Centro de Cooperacion 59-6737
Cientifica de la UNESCO para
America Latina (1958)

Bol. Cent. Coop. cient. Unesco, (19):131 p.

Contains a summary of the past &
future activities of Unesco in the
field of marine sciences; activities
of the Department of Exact & Natural
Sciences of the same organization;
activities of the Centre of Scientific
Cooperation of Unesco for Latin
America & other centres, scientific
& technical activities of other
international organizations, general
news, publications, & list of

Cole, G.A. (1957) 59-6735
Trans. Ky Acad. Sci., 18(2-3):29-39
Some epigeal isopods and amphipods
from Kentucky

F

59-6737
(Card 2)
scientific meetings.

GLK:hr

G

Anonymous (1958) 59-6739
Fôlha manha, 27 mai
Estatísticas indicam decréscimo da
produção de peixes no rio Piracicaba
(Statistics indicate decrease of fish
production in the Piracicaba river)

A note on decrease of fish production
caused by drought, deforestation of the
margins of the river & pollution.

chr

F

M

Council for Scientific 59-6740
& Industrial Research (1959)
Res.Rev.Coun.sci.ind.Res., 9(1) 44 p.

Contains notes on research projects in
S. Africa, concerning shark control
by electrical barriers, & water
pollution.

FAO:sjh

MF

M

Smith, J.L.B. (1958) 59-6741
Ann.Mag.nat.Hist., Ser.13, 9:156-60
Tetraodont fishes from South and East
Africa

Smith, J.L.B. (1958) 59-6742
Ann.Mag.nat.Hist., Ser.13, 1:57-60
The fishes of Aldabra - F.

Smith, J.L.B. (1958) 59-6743
Ann.Mag.nat.Hist., Ser.13, 1:247
The genus Limnichthys Waite, 1904
in African seas

Smith, J.L.B. (1958) 59-6744
S.Afr.J.Sci., Dec.:319-26
Rare fishes from South Africa

F

M

Darbyshire, J.F. (1958) 59-6745
Thesis, Univ. of Rhodes, Grahamstown
A study of the biology of the Jameson
reservoir near Grahamstown, Cape
Province

IPFC (1958) 59-6748
Occ.Pap.Indo-Pacif.Fish.Coun., (58/1):
7 p.
Indo Pacific Fisheries Council
Expanded Technical Assistance
Programme Far East regional training
centers

A summary of FAO training centers
previously held & proposed for
future - place, duration,
participation, purpose. (issued as:
Contr.Publ.IPFC/C 58/C.P.7)

FiB:sjh

MF

U.N. Economic & 59-6746
Social Council (1958)
ESC 25th Sess., E/3070, 37 p.
Economic development of under-developed
countries - A preliminary inquiry on
existing hydrologic services

Report on questionnaire sent to WMO
member countries as a result of an
ESOSOC resolution, summarizing the
organization of services & current
problems in respect of hydrologic
activities. Appendix lists for each
country - in alphabetic order - the
names of bodies responsible for
coordination of hydrologic activities,

Tubb, J.A. (1959) 59-6749
Occ.Pap.Indo-Pacif.Fish.Coun., (59/4):
6 p.

A list of lake plankton - Burma

Lists plankton with approximate
frequencies. Incl. an extract giving
results of water analyses from lakes
Inle & Indawgyi.

FAO:efa

F

59-6746
(Card 2)
their functions, relations with
meteorological agencies & location
of stored data of various kinds, incl.
stream flow, water levels, run-off,
rainfall & evaporation.

FiB:sjh

F

Grabda, J. (1958?) 59-6750
Wiadomości Parazyt., (5):257-8
Badania nad rozwojem Lernaea esocina
(Burm., 1835) i Lernaea cyprinacea L.,
1758 (Research on the development
of Lernaea esocina (Bumeister, 1835)
and Lernaea cyprinacea L., 1758).
En Ru

Laboratory culture of larvae
obtained from eggs of both spp. was
maintained; specimens of Rhodeus
amarus Bloch, Alburnus alburnus L.,
Gasterosteus aculeatus L. & Carassius
carassius L. were artificially
infected with these larvae. Time &

59-6750
(Card 2)

site of invasion was determined & a fuller account of the morphology of the larvae prepared.

GLK:glk

F

Galtsoff, P.S. (1957) 59-6754
Pap. presented to 10th Annu. Sess.,
Gulf & Caribbean Fish. Inst., Miami,
11-15/11/57

Progress in fisheries biology in the Gulf and Caribbean Area, 1948-1957

M

Western Australia. 59-6752
Fisheries Department (1959)
Mon. Serv. Bull. Fish. Dep. W. Aust., 8(5):
59-72

Notes on staff & their activities; issuance of fishing licenses, regulations & legal actions; seasons & results of crayfishery, information from abroad.

GLK:sjh

M

Stern, J.A. (1957) 59-6755
Pap. presented to 10th Annu. Sess.,
Gulf & Caribbean Fish. Inst., Miami,
11-15/11/57

The new shrimp fishery of the state of Washington

M

California University. 59-6753
Scripps Institution of
Oceanography (1959)
Memor. Scripps Instn Oceanogr., 10 April,
17 p.
Memorandum

An ill. account of current research programmes of the Institution; cruise schedules & objectives.

FiB:sjh

M

Suttkus, R.D. (1957) 59-6756
Pap. presented to 10th Annu. Sess.,
Gulf & Caribbean Fish. Inst., Miami
11-15/11/57

Analysis of the scales and otoliths of the Atlantic croaker

M

Clark, J.R. (1957) 59-6757
Pap. presented to 10th Annu. Sess.,
Gulf & Caribbean Fish. Inst., Miami,
11-15/11/57
Mesh regulations in the haddock
fishery of North America

M

U.K. Hydrographic 59-6760
Department (1959)
London, Admiralty
The Admiralty semi-graphic method of
harmonic tidal analysis (over a period
of one month)

M

Pantom, E.O. (1957) 59-6758
Pap. presented to 10th Annu. Sess.,
Gulf & Caribbean Fish. Inst., Miami,
11-15/11/57
"Soup for the Lord Major's Banquet":
the turtle fishery of the Cayman
islands

M

Pêcheurs Unis 59-6761
de Québec (1959)
Montréal, 62 p.
Les coopératives de pêcheurs du
Québec (The fisheries cooperatives
of Quebec)

A report on the fisheries & the
cooperative organizations of Quebec.

FiB:hr

M

Barnes, H. (1959) 59-6759
London, Allen & Unwin, 341 p.
Apparatus and methods of oceanography -
Part I. Chemical

M

Kray, A. (1959) 59-6762
Game Bull. Wash. State, 11(2):6-7
The lake Chelan spawning
improvement project

Describes effects of stream
improvement work on spawning grounds.

WAD:wcb

F

Thorpe, W.H. (1959) 59-6763
New Scient., 5:858-60
The study of animal behaviour
Essay review of 59-4918.

Ryzikov, Iu.G. (Transl.) (1958) 59-6766
C.R.Acad.Sci.U.R.S.S., 113:787-90
Measurement of electric current in
the ocean

En transl. of 581280. Available from
Office of Technical Service,
Department of Commerce, Washington 25,
D.C.

FAO:

MF

M

Goodhart, C.B. (1959) 59-6764
New Scient., 5:861-2
Fundamental ecology
Review of 59-6483.

Zenhovich, V.P. (1958) 59-6767
Trud.Inst.Okeanol.Akad.N.S.S.S.R., 28
(On methods of direct observation of
sediment bottom drifting in the sea).
Ru

FAO:

MF

Kes, A.S. (Transl.) (1958) 59-6765
Priroda, Moskva, 47(1):95-9
Fluctuations of the Aral sea level

En transl. of 580677. Available from
Office of Technical Service,
Department of Commerce, Washington 25,
D.C.

M

Zenhovich, V.P. (Transl. 59-6768
Chamberlain, T.K.) (1958)
Trud.Inst.Okeanol.Akad.N.S.S.S.R., 28
On methods of direct observation
of sediment bottom drifting in the
sea

En transl. of 59-6767. Available from
SLA translation Center, The John
Crerar Library, 86 East Randolph
Street, Chicago 1, Illinois.

M

Buzzati- 59-6769
 Traverso, A.A. (Ed.) (1958)
 Berkeley, Univ. California Press, 621 p
Perspectives in marine biology - A
 symposium held at Scripps Institution
 of Oceanography, University of
 California, March 24-April 2, 1956

GLK: M

Zenkevitch, L. (1958) 59-6772
 "In" 59-6769:27-31
 Immediate problems in the development
 of marine biology

Examination of contribution of marine
 biology to biological appraisal of
 the sea & to planning action with
 regard to resources; discusses the
 study of distribution of organisms,
 indicators of biological productivity
 & food relations.

GLK:glk M

Rae, K.M. (1958) 59-6770
 "In" 59-6769:3-16
 Parameters of the marine environment

Advocates establishment of a series
 of oceanic animals amenable to
 experiment by which relative
 importance of various environmental
 factors might be tested in order to
 ensure that the factors measured in
 the sea are the most important, with
 discussion of problems requiring
 analysis, & possible techniques.

GLK:glk M

Drach, P. (1958) 59-6773
 "In" 59-6769:33-46
 Perspectives in the study of benthic
 fauna of the continental shelf

Discussion of the reasons for
 continued backwardness on this study
 & of the advances that modern under-
 water research equipment makes
 possible in identifying & locating
 biological communities & in
 establishing correlations between
 features of these communities & of
 their environment.

GLK:glk M

Redfield, A.C. (1958) 59-6771
 "In" 59-6769:17-26
 The inadequacy of experiment in marine
 biology

Examination of the part played by
 observation, experiment & inference
 in studies of marine biological
 phenomena & comparison of the
 contributions from experiments with
 those from observations conducted in
 accordance with some model of the
 system under observation. (issued as:
Contr. Woods Hole oceanogr.Inst.,
(923)).

GLK:glk M

Wieser, W. (1958) 59-6774
 "In" 59-6769:47-56
 The particulate and the comparative
 concept in marine synecology

Designates the descriptive, carto-
 graphic & correlative phase of
 synecology as particulate, & that
 phase which examines differences
 between communities with respect to
 composition & ecological valence, &
 structural & physiological
 characteristics of their spp. as
 comparative; ill. the latter method
 with data from a study of Chilean
 coast nematodes.

GLK:glk M

Riedl, R. (1958) 59-6775

"In" 59-6769:57-65

An attempt to test the efficiency of ecological field methods and the validity of their results

Discusses the disabilities of certain gears used for the study of benthos & its substrate &, against a stipulation of the kinds of data required for an adequate account of the various characteristics of benthic communities; examines the prospective usefulness of diving photographic & other techniques

GLK:glk

M

Wilson, D.P. (1958)

59-6778

"In" 59-6769:87-103

Some problems in larval ecology related to the localized distribution of bottom animals

Discussion of the factors influencing the settlement of pelagic larvae of demersal organisms, with particular reference to the biological condition of the substrate, using observations on larvae of polychaete worms for illustration; followed by discussion of the effects of biologically different water masses on the survival of these larvae.

GLK:glk

M

Thorson, G. (1958)

59-6776

"In" 59-6769:67-86

Parallel level-bottom communities, their temperature adaptation, and their "balance" between predators and food animals

Development of ideas derived from observations that level bottom substrates, of particular types & similar depths, are quantitatively dominated by invertebrates of certain characteristic genera represented by spp. particular to each geographic situation; with particular reference to factors determining the composition

Barnes, H. (1958)

59-6779

"In" 59-6769:105-16

The future of underwater television

Technological discussion of the performance & characteristics of this equipment.

GLK:glk

M

59-6776
(Card 2)

of these communities.

GLK:glk

M

Yonge, C.M. (1958)

59-6780

"In" 59-6769:117-35

Ecology and physiology of reef-building corals

Zonation & other features of the ecology of various types of coral reefs; rejection of the hypothesis that the zooxanthellae play a nutritional role in the coral organism; the influence of light on the growth & physiology of the coral; maintenance & productivity of coral reefs.

GLK:glk

M

Tonolli, V. & 59-6781

L. Tonolli (1958)

"In" 59-6769:137-43

Irregularities of distribution of plankton communities: considerations and methods

Discussion of factors leading to departure from completely random distribution of zooplankton & description of an apparatus constructed for the purpose of studying the form & structure of plankton patches.

GLK:glk

MF

Baldwin, E. (1958)

59-6784

"In" 59-6769:189-98

Some biochemical problems in marine biology

Discussion of the scope of biochemistry, its relations with adjacent sciences, some of the problems to which its discipline could be applied, & some of the problems of organizing & conducting biochemical research.

GLK:glk

MF

Bogorov, B.G. (1958) 59-6782

"In" 59-6769:145-58

Perspectives in the study of seasonal changes of plankton and of the number of generations at different latitudes

Discussion of the inadequacy of current techniques of sampling & summing-up data & propoundment of a scheme for unification of methods of plankton research based on the principle of estimating plankton biomass & indicating the role of different spp. in the total, ill. the ideas by reference to some general results on seasonal variation in quantity of plankton & on other aspects of plankton biology.

GLK:glk

M

Bullock, T.H. (1958)

59-6785

"In" 59-6769:199-210

Homeostatic mechanisms in marine organisms

Some examples of adjustments of metabolic, osmotic & respiratory processes to changed environmental values & discussion of some types of problems relating to the mechanisms of such adjustments.

GLK:glk

MF

Hardy, A.C. (1958) 59-6783

"In" 59-6769:159-86

Toward prediction in the sea

Review of studies of relations of physical, chemical & biological components of marine systems in the Antarctic - Euphausiids & whales -, North Sea - Calanus & herring -, Singapore straits in the North Sea & North Atlantic with the Hardy continuous plankton recorder; stresses potential value of routine work from non-research vessels.

GLK:glk

M

Guzman Barron, M.S. (1958)

59-6786

"In" 59-6769:211-32

The regulatory mechanisms of cellular respiration

Regulatory mechanisms of cell respiration as demonstrated by experiments relating to intracellular structure & to the cell membrane, with some remarks on sperm carbohydrate metabolism & respiration & anaerobic & aerobic metabolism of glucose.

GLK:glk

MF

Szent-Györgyi, A. (1958). 59-6787
"In" 59-6769:233-8
Motion, energy transmission, and the
cellular matrix

Discussion of the energy
characteristics of biological
phenomena as exemplified by muscular
contraction.

GLK:glk

MF

Kon, S.K. (1958) 59-6790
"In" 59-6769:283-97
Some thoughts on biochemical
perspectives in marine biology

Brief account of findings in research
on the occurrence of vitamin A in
invertebrates, its anatomical
distribution & form in crustacea, its
source in euphausiids & fluctuations
in its occurrence in herring roes,
with also discussion of external
metabolites.

GLK:glk

M

Pittendrigh, C.S. (1958) 59-6788
"In" 59-6769:239-68
Perspectives in the study of biological
clocks

Examination of the proposition that
certain biological rhythms are
controlled by some temperature-
independent mechanism of time
measurement of endogenous nature; &
presentation of a general oscillator
model, for biological clocks,
providing for the effects of single
perturbations, phase shifts &
transients, & for entrainment.

GLK:glk

MF

Rodhe, W., A. Vollenweider 59-6791
& A. Nauwerck (1958)
"In" 59-6769:299-322
The primary production and standing
crop of phytoplankton

Research on lake Erken in Sweden,
describing temporal variations in
production & standing crop,
composition of the standing crop,
the share of "netplankton" & "nanno-
plankton" in production & standing
crop, the relations between primary
production & fresh weight of phyto-
plankton & chlorophyll content,

Brown, F.A., Jr. (1958) 59-6789
"In" 59-6769:269-82
Studies of the timing mechanisms of
daily, tidal, and lunar periodicities
in organisms

Discussion of the nature of certain
rhythms in crustacea, mollusca & other
organisms, the persistence of these
rhythms, the endogenous nature of some
part of the control of them, & their
relations with various external factors.

GLK:glk

MF

59-6791
(Card 2)
determination of primary production
by C₁₄ experiments in vitro.

GLK:glk

F

Margalef, R. (1958) 59-6793
 "In" 59-6769:323-49
 Temporal succession and spatial
 heterogeneity in phytoplankton

Uses data from a study of the ria of
 Vigo in Spain for an exposition of the
 calculation & interpretation of the
 diversity index & measures of hetero-
 geneity & their use in an examination of
 succession in phytoplankton communities.

GLK:glk

M

Hallam, J.C. (1959) 59-6796
J.Fish.Res.Bd Can., 16:147-73
 Habitat and associated fauna of four
 species of fish in Ontario streams

4 spp. of fish found in Ontario
 streams can be divided into 2
 distinct groups on the basis of
 habitat & associated fauna. Salvelinus
fontinalis Mitchill & Cottus bairdi
 Girard are found associated in cool
 source waters whereas Ambloplites
rupestris Rafinesque & Micropterus
dolomieu Lacépède occur together in
 warmer downstream waters.

GLK:jch

F

Humphrey, G.F. (1959) 59-6794
Aust.J.Sci., 21:268
 Marine biology

Review of 59-6769.

GLK:

M

Basu, S.P. (1959) 59-6797
J.Fish.Res.Bd Can., 16:175-212
 Active respiration of fish in
 relation to ambient concentrations of
 oxygen and carbon dioxide

The oxygen consumption at a steady
 rate of activity maintained by a mild
 electric stimulus was measured for
Salvelinus fontinalis Mitchill,
Catostomus commersoni Lacépède,
Ancistrus nebulosus LeSueur, Cyprinus
carpio Linnaeus & Carassius auratus
 Linnaeus in the presence of various
 combinations of oxygen & carbon
 dioxide.

GLK:spb

F

Johnson, R.G. (1959) 59-6795
Evolution, 13(1):149
 Perspectives in marine biology

Review of 59-6769.

GLK:

M

Scott, D.M. & 59-6798
 W.R. Martin (1959)
J.Fish.Res.Bd Can., 16:213-21
 The incidence of nematodes in the
 fillets of small cod from Lockport,
 Nova Scotia, and the southwestern
 gulf of St. Lawrence

The incidence of nematodes in fillets
 of Atlantic cod, Gadus callarias, was
 determined in 1957 in 4 areas within
 10 miles of Lockport, N.S., & in 6
 areas in the southwestern gulf of St.
 Lawrence. Relation of incidence with
 age, its local variation & variation
 between inshore & offshore waters were
 measured.

GLK:glk

M

Castell, C.H., J. Dale 59-6799
 & M.F. Greenough (1959)
J.Fish.Res.Bd Can., 16:223-33
 Spoilage of fish in the vessels at sea
 6. Variations in the landed quality of
 trawler-caught Atlantic cod and
 haddock during a period of 13 months

GLK:x

M

Lyman, H. (1958) 59-6802
Rep.Atl.St.Mar.Fish.Comm., App.Sect.
 (16):1-8
 Results of striped bass program

MF

Idler, D.R. & 59-6800
 I. Bitners (1959)
J.Fish.Res.Bd Can., 16:235-41
 Biochemical studies on sockeye salmon
 during spawning migration - V.
 Cholesterol, fat, protein and water in
 the body of the standard fish

The absolute changes in fat, protein,
 water & free & esterified cholesterol
 for the entire body of standard male
 & female sockeye salmon, Oncorhynchus
nerka, during the Fraser river spawning
 migration are discussed.

GLK:dri

MF

Smith, P.W. & 59-6803
 M.M. Hensley (1957)
Proc.biol.Soc.Wash., 70:201-4
 The mud turtle, Kinosternon
flavescens stejnegeri Hartweg, in
 the United States

F

Dingle, J.R. (1959) 59-6801
J.Fish.Res.Bd Can., 16:243-5
 Proteins in fish muscle - 15. Note on
 the preparation of actin from cod
 muscle with potassium iodide

Contents as per title.

GLK:glk

II

Anonymous (1957) 59-6804
Canada, Dep. Mines & Tech.Survey
 Map 20-1957 Manitoulin island
 district of Manitoulin, Ontario

F

Mackenthun, K.M. & C.D. McNabb (1959)
Bull.Wis.Comm.Water Poll., (WP195):1-52
 Sewage stabilization ponds in Wisconsin. A report on biological and chemical investigations April 1957 - August 1958

F

Stepanek, M. et al. (1958) 59-6808
Sci.Pap.Inst.Technol., Prague, 2(2):
 313-564
 Limnological study of the reservoir Sedlice near Zeliv - II. Biological part

F

Douglas, N.H. (1958) 59-6806
Contr.Okla.St.Univ.Dep.Zool., (293):
 1-33
 A study of the comparative use of different species of fish in the bioassay of petroleum refinery effluent

F

Webster, D.A., W.G. Bentley & J.P. Galligan (1959) 59-6809
Mem.Cornell Univ.agric.Exp.Sta.,
 (357):1-83
 Management of the lake trout fishery of Cayuga lake, New York, with special reference to the role of hatchery fish

Presents findings on a study from 1946 - 1957 to evaluate fingerling and yearling plantings of hatchery-reared lake trout, evaluate hatchery contribution to total population, & obtain pertinent management data.
 WAD:web F

Johnson, D.S. (1958) 59-6807
Ann.Zool., 2(8):95-118
 The Indo-West Pacific species of the genus Polyonyx (Crustacea, Decapoda Porcellanidae)

M

Kjennerud, J. (1958) 59-6810
Naturvitensk.rakke, (9):1-14
 Description of a giant squid, Architeuthis, stranded on the west coast of Norway

M

Lovell, H.B. (1958) 59-6811
Wilson Bull., 70(3):280-1
Baiting of fish by a green heron

Inland Fisheries Trust 59-6814
Incorporated (1957)
Dublin, 12 p.
The development of brown trout
fisheries

Gives general life history information,
types of lakes & streams suitable for
trout & examinations made to determine
suitability prior to stocking.

Lagler, K.F. (1957) 59-6812
Carling Cons.Dig., 1-22
Fishery biologists are for good
fishing

Inland Fisheries Trust 59-6815
Incorporated (1958)
Dublin, 8 p.
Notes on fishery management

Describes various fishing stands which
enable anglers to gain access to
fishing waters, & shelters which may
be built to provide better carp
fishing.

Idler, D.R. (1959) 59-6813
Progr.Rep.int.Pacif.Salm.Fish.Comm.,
1-80

The energy expenditures of Fraser
river sockeye salmon during the
spawning migration to Chilko and
Stuart lakes

Cattwin, B.M. (1959) 59-6816
Int.l.interam.trop.Tuna Comm., 3:307-52
The relationships between length and
weight of yellowfin tuna (Neothunnus
macropodus) and skipjack tuna
(Katsuwonus pelamis) from the eastern
tropical Pacific Ocean. En Es

Tabulation of measurements & tabular
& graphical presentation of statistical
analysis of variability between
samples, quarters of the year & areas.

<p>Arnon, D.I. (1958) 59-6817 "In" 59-6769:351-83 Some functional aspects of inorganic micronutrients in the metabolism of green plants</p> <p>Account of experimental work in a search for essential elements & establishment of the criteria of essentiality; discusses micronutrients in the nutrition of algae, the role of molybdenum, vanadium & cobalt, boron & chlorine, offers some general observations on essentiality & on the study of inorganic nutrition of marine plants.</p> <p>GLK:glk MF</p>	<p>Thorn, W.T. (1958) 59-6820 "In" 59-6769:411-28 Ethology as a new branch of biology</p> <p>Review of the history of the study of animal behaviour; consideration of various ways of approaching this study to ascertain how far any of them is new or embodies new techniques, & consideration of the prospects of further development & application of such methods in one or two fields of marine biology.</p> <p>GLK:glk MF</p>
<p>Provasoli, L. (1958) 59-6818 "In" 59-6769:385-403 Growth factors in unicellular marine algae</p> <p>After brief review of research that led to the discovery of growth factors in the nutrition of algae, discusses the B₁₂ requirement in marine organisms & evidence on its presence in marine environments, its production & consumption, & offers suggestions on the lines of research that would further elucidate these matters.</p> <p>GLK:glk M</p>	<p>Waterman, T.H. (1958) 59-6821 "In" 59-6769:429-50 Polarized light and plankton navigation</p> <p>Description of the behaviour of light after penetrating water & its dependence on various physical characteristics of the water, with an account of techniques for analysis of this behaviour & measurement of some of its features; & a suggestion, by reference to previous work, that the behaviour of certain pelagic organisms may be determined in part by this element of the environment.</p> <p>GLK:glk MF</p>
<p>Belsor, W.L. (1958) 59-6819 "In" 59-6769:405-8 Marine microorganisms: some generalizations concerning their importance to marine life</p> <p>Brief discussion of inorganic & organic relations of these organisms with their environment & of their role in parasitism & disease, emphasising the paucity of our knowledge of them.</p> <p>GLK:glk M</p>	<p>Hasler, A.D. (1958) 59-6822 "In" 59-6769:451-67 Perception of pathways by fishes in migration</p> <p>Review of the evidence for the use, by fish, of visual points of reference, celestial marks, tactile & auditory references, olfactory stimuli, & hydrographic points for navigation in short-term (diurnal & other) & long-range movements.</p> <p>GLK:glk MF</p>

Miyadi, D. (1958) 59-6823
"In" 59-6769:469-79

Perspectives of experimental research
on social interference among fishes

Discussion of the modifications of
individual behaviour patterns - the
plasticity of which is referred to -
by the presence of other individuals of
the same or different spp., ill. by
reference to aquarium experiments & to
field observations of natural situations
& those created by fishing, especially
with the use of light.

GLK:glk

MF

Wieser, W. (1958) 59-6826
"In" 59-6769:513-8

Problems of species formation in the
benthic microfauna of the deep sea

Consideration of the question of
whether a population can break up into
genetically isolated sub-populations in
a homogeneous habitat & examination of
evidence with regard to this possibility
from the study of marine microfauna.

GLK:glk

M

Loosanoff, V.L. (1958) 59-6824
"In" 59-6769:483-95

Challenging problems in shellfish
biology

Discussion of work to demonstrate the
existence of physiological races
(interspecific variations) in molluscs
with regard to their temperature &
salinity reactions, their response to
turbidity & their food requirements;
breeding is mentioned & the whole field
of biological study of this group is
considered with regard to the prospects
of making better cultivation of these
organisms.

GLK:glk

MF

Matsui, Y. (1958) 59-6827
"In" 59-6769:519-31

Aspects of the environment of pearl-
culture grounds and the problems of
hybridization in the genus Pinctada

Description of the techniques of pearl-
culture & of the chemical & other
composition of pearl & pearl-shell,
ending with a plea for improvement of
the pearl oyster itself.

GLK:glk

M

Ray, D.L. (1958) 59-6825
"In" 59-6769:497-512

Some marine invertebrates useful for
genetic research

Discussion of the problem with regard
to temperature, water composition &
food supply that confront research
workers wishing to rear marine organisms
for experimental purposes, &
consideration of some of the marine
organisms that have been successfully
cultivated & of the conditions met in
such work.

GLK:glk

M

Novick, A. (1958) 59-6828
"In" 59-6769:533-46

Some chemical bases for evolution of
microorganisms

Description of the theory of the
chemostat, a device for continuous
culture of microorganisms in which
chemical factors & selection rate are
easily observable, experimentally
controllable; report of some results
of mutation studies, detailed example
of the kind of 'evolution' that occurs
in this apparatus & remarks concerning
the interest of this apparatus for
marine biologists.

GLK:glk

MF

Lowin, R.A. (1958) 59-6829

"In" 59-6769:547-57

Genetics and marine algae

Discussion of genetic approaches to systematic & ecological problems in the study of algae, of the value of algae as experimental material in genetic research & of the problems of cultivation & domestication of algae for these purposes.

GLK:glk

M

Montalenti, G. (1958)

59-6832

"In" 59-6769:589-602

Perspectives of research on sex problems in marine animals

Discussion of various examples of hermaphroditism of different kinds with regard to the hypothesis that the variability of sexual phases in a population of proterandric hermaphrodites of the unbalanced type is the result of genetic heterogeneity.

GLK:glk

M

Barigozzi, C. (1958)

59-6830

"In" 59-6769:559-69

Genetic systems in sessile and semi-sessile organisms

Speculation on the genetic systems in sessile organisms with examples offered by analogies with semisessile forms having some characters in common with sessile forms, dealing with sexual & asexual reproduction & parasexual phenomena & advocating cytological & other lines of genetical investigation.

GLK:glk

M

Drach, P. (1958)

59-6833

"In" 59-6769:603-7

A few remarks on marine biology, animal biology, and general biology

Brief exposition on the theme that marine biology occupies more than half of knowledge of animal biology & is indispensable for the construction of a well-balanced general biology.

GLK:glk

M

Kohn, A.J. (1958)

59-6831

"In" 59-6769:571-88

Problems of speciation in marine invertebrates

Discussion of (1) allopatric & sympatric speciation & the significance of ecological differences between populations, (2) dispersal stages & gene flow across partial barriers, (3) genetic relationships between populations, (4) determination of stages of speciation, & (5) temporal (vertical) & spatial (horizontal) spp.

GLK:ajk

M

Yonge, C.M. (1958)

59-6834

"In" 59-6769:609-11

Some genetic problems presented by sessile coelenterates

Discussion of the material to be obtained from Coelenterata for study of various genetic problems &, in connection with planulation, the possibility of resolving problems connected with the effects of genetic constitution & of the environment.

GLK:glk

M

Buzzati-Traverso, A.A. (1958) 59-6835
"In" 59-6769:613-21
Perspectives in marine biology

Lists ideas & suggestions offered in papers & during discussions in the Scripps Marine Biological Symposium, see 59-6769, & discusses certain principal lines of study suggested by groups of these items.

GLK:glk

M

Tauc, L. (1959) 59-6836
C.R.Acad.Sci., Paris, 249:318-20
Sur la nature de l'onde de surpolarisation de longue durée observée parfois après l'excitation synaptique de certaines cellules ganglionnaires de mollusques (On the nature of the over-polarisation wave of long duration sometimes observed after synaptic excitation of certain ganglionic cells of molluscs)

Description of this phenomenon induced in Aplysia & the snail by capillary micro-electrode stimulation & discussion of its nature implying certain changes of state of cells.
FAO:glk MF

Bougis, P. (1959) 59-6837
C.R.Acad.Sci., Paris, 249:326-8
Sur l'effet biologique du cuivre en eau de mer (On the biological effect of copper in sea-water)

A test for the biological study of sea-water, based on the speed of development of sea-urchin larvae, is described & used to demonstrate effects from quantities of the same order of magnitude as are found naturally; the ecological significance of these results is discussed.

FAO:glk

M

Norway. FAO-Committee (1958) 59-6838
Oslo, 24 p.

Report 1958 from Norway to the Food and Agriculture Organization of the United Nations (for 1955, 1956 and 1957)

Incl. report on fisheries; short tables of annual landings by sp. groups, numbers & tonnage of registered vessels by size classes; legislation, trade, consumption.

FAO:sjh

M

De Angelis, C.M. (1958) 59-6839
Boll.Pesca Piscic.Idrobiol., 12(2):159-211

Metodi di ricerca sulla produttività del mare (Methods of research on the productivity of the sea)

A literature review of techniques & factors influencing primary & secondary biological production; particular discussion of Mediterranean conditions with extensive bibliographies, both general & with reference to that area.

GLK:sjh

M

Brandhorst, W. (1959) 59-6840
Valparaíso, mimeo, 5 p.
Resultados de las investigaciones oceanográficas y biológicas realizadas por el experto del programa de asistencia técnica de la República Federal Alemana, en colaboración con el Departamento de Fomento de Pesca y Caza del Ministerio de Agricultura (Results of the oceanographical and biological investigations carried out by the technical assistant expert of the German Federal Republic in collaboration with the Department of Fish and Game Development of the Ministry of Agriculture)

59-6840
(Card 2)

A short report on the oceanographic factors influencing the hake fisheries of Chile & their significance in the future development of the fisheries in Chile.

SJH:hr

M

México. Secretaría de 59-6842
Marina. Dirección General de
Pesca (1958)
Piscicult.rural, 8(3, 4):11 p.

Short popular articles on commercial fish-culture & fertilization of ponds in Mexico.

FiB:hr

F

Rich, W.H. (1958) 59-6843
Seattle, Washington, 3 p.
Pend Oreille Lake Kokanee - Analysis
of creel census data for 1957

Part of a series of studies in connection with the effect of the Albeni Falls dam on Oncorhynchus nerka kenneryli.

GLK:wad

F

Rich, W.H. (1957) 59-6844
Seattle, Washington, 7 p.
Pend Oreille Lake Kokanee - Analysis
of creel census data for 1956

Part of a series of studies in connection with the effect of the Albeni Falls dam on Oncorhynchus nerka kenneryli.

GLK:wad

F

Franco. Office de la 59-6845
Recherche Scientifique et
Technique Outre-Mer (1959)
Rapp.Croisière Inst.franc.Océanie, (2):
21 p.

ORSOM III - Compte rendu des croisières
de l'année 1958 (ORSOM III -
Report of the cruises during 1958)

A report on the cruises "Astrolabe",
"Boussole" & secondary operations
encompassing oceanographic observations,
physical & biological, & ichthyological,
fisheries & mammals observations.

GLK:hr

M

Smith, J.L.B. (1959) 59-6846
Idaho Fish. Bull., (1): 229-52
Fishes of the families Blenniidae and
Salariidae of the western Indian
Ocean

Contains keys to genera and spp. &
descriptions of the same.

FAO:hr

M

McLeod, K. (Ed.) (1958) 59-6847
Washington St.Dep.Fish., 148 p.
Fisheries, fish farming, fisheries
management

Collection of brief articles (some
being reprints) dealing with the
cultivation of oysters, clams, salmon
trout & other fish, & with problems such
as fertilisation of water, pond
engineering, disease control, breeding,
predator control, & international
fisheries.

WAD:glk

MF

Smith, F.G.W. & 59-6850
H. Chapin (1958)
"In" 59-6847:33-45
Ocean pasturage

Reprint of the Sun, the Sea and
Tomorrow, 6:106-36, New York, 1954.

WAD:

M

McLeod, K. (1958) 59-6848
"In" 59-6847:11-22
History of fish farming

McLeod, K. (1958) 59-6851
"In" 59-6847:46-52
Oyster farming

WAD:

MF

WAD:

M

Smith, F.G.W. & 59-6849
H. Chapin (1958)
"In" 59-6847:23-32
Farming for fishes

McLeod, K. (1958) 59-6852
"In" 59-6847:53-60
Clam farming

Reprint of the Sun, the Sea and
Tomorrow, 5:81-105, New York, 1954.

WAD:

MF

WAD:

M

Pautzke, C.F. (1958) 59-6853
"In" 59-6847:61-70
Salmon of the northwest and some of
the factors influencing their production

Ellis, C.H. (1958) 59-6856
"In" 59-6847:87-96
Hatchery and fish farm relationships

WAD:

WAD:

WF

Wheeler, H. (1958)
"In" 59-6847:74-8
Fertilization of eggs

Larg, B. (1958) 59-6857
"In" 59-6847:97-8
Progress in fish disease control

WAD:

WAD:

WF

Reed, H.E. (1958) 59-6858
"In" 59-6847:79-86
Hydraulic control of water for
farming ponds

Wheeler, H. (1958) 59-6859
"In" 59-6847:89-96
Hydraulic control and selective breeding

WAD:

WAD:

WF

McLeod, K. (1958)
"In" 59-6847:108-15
Pollution control

59-6859

Moore, M. (1958)
"In" 59-6847:135-46
Fisheries management

59-6862

WAD:

MF

WAD:

MF

McLeod, K. (1958)
"In" 59-6847:116-29
Predator control

59-6860

Moore, M. (1958)
"In" 59-6847:147-8
Expectancy of salmon

59-6863

WAD:

MF

WAD:

MF

Moore, M. (1958)
"In" 59-6847:131-4
International fisheries

59-6861

Chile. Ministerio de 59-6864
Agricultura. Departamento de Fomento
de Pesca y Caza (1958)
Bol.inform.Chile, (61):11 p.

Contains main fisheries products
statistics of Chile by region & notes
on short popular articles on fisheries
development in that country &
elsewhere.

WAD:

MF

FAO:hr

MF

Chile. Ministerio de 59-6865
Agricultura. Departamento de Fomento
de Pesca y Caza (1958)
Bol.inform.Chile, (62):15 p.

Contains main fisheries products
statistics of Chile by region & notes
on short popular articles on fisheries
development in that country &
elsewhere.

FAO:hr

MF

Chile. Ministerio de 59-6866
Agricultura. Departamento de Fomento
de Pesca y Caza (1958)
Bol.inform.Chile, (63):13 p.

Contains main fisheries products
statistics of Chile by region & notes
on short popular articles on fisheries
development in that country &
elsewhere.

FAO:hr

MF

Chile. Ministerio de 59-6867
Agricultura. Departamento de Fomento
de Pesca y Caza (1958)
Bol.inform.Chile, (64):15 p.

Contains main fisheries products
statistics of Chile by region & notes
on short popular articles on fisheries
development in that country &
elsewhere.

FAO:hr

MF

Caldwell, D.K., A. Carr & 59-6868
L.H. Ogren (1959)
Bull.Fla St.Mus., 4:295-308
The Atlantic loggerhead sea turtle
Caretta caretta caretta (L.) in America.
I. Nesting and migration of the Atlantic
loggerhead turtle

Tagging evidence shows that female may
travel as much as 1000 shoreline miles
away from the nesting beach in 10
months. The nesting procedure of the
Atlantic loggerhead is described & ill.
The principal nesting range of the sub-
species is the mainland coast of North

59-6868
(Card 2)
America from about Cape Lookout, North
Carolina, to Mexico.

FAO:hr

M

Caldwell, D.K. et al. (1959) 59-6870
Bull.Fla St.Mus., 4:309-18
The Atlantic loggerhead sea turtle,
Caretta caretta caretta (L.), in America.
II. Multiple and group nesting by the
Atlantic loggerhead turtle

Individuals nest several times on the
same stretch of beach in a summer, but
it is not yet known whether each
individual lays every year. Tagging
results show groups of turtles nest
together several times, & it is believed
they stay together during the periods
between the nesting emergences.

FAO:hr

M

Caldwell, D.K. (1959) 59-6871
Bull. Fla. St. Mus., 4:319-48
The Atlantic loggerhead sea turtle,
Caretta caretta caretta (L.), in America.
III. The loggerhead turtles of Cape
Romain, South Carolina

There is no correlation between nesting
activity & the stage of the moon, tide,
& weather conditions. The physical
features of the beach are apparently
the most important factors. Details of
the nest & of the eggs, their incubation,
& hatching are presented for future
comparison with other spp.

FAO:hr

M

Anonymous (1959) 59-6874
Mundo d. Natura, (3):88
Anablepidi (Anablepidae)

Article on Anablepidae consisting of
synopsis of Anableps tetraoptalmus
under headings: anatomical &
morphological characteristics, life
cycle, ecology, distribution & relation
to man.

HR:hr

F

Duarte-Bello, P.P. (1959) 59-6872
Univ. de Villanueva, Marianao, Cuba,
monogr. 6:208 p.
Catálogo de peces cubanos (Catalogue
of fishes of Cuba)

A sytematic catalogue of common & rare
spp. of fresh, brackish & saltwater spp.
Cuban & other common names of the spp.,
synonyms, local & total distributions
are listed.

HR:hr

MF

Anonymous (1959) 59-6875
Mundo d. Natura, (3):91
Anarricadidi (Anarrhicadidae)

Article on Anarrhicadidae consisting of
synopsis of Anarrhicas lupus under
headings: morphological & anatomical
characteristics, life cycle, ecology,
distribution & relation to man.

HR:hr

M

Ghana Government (1958?) 59-6873
Mimeo, 15 p.
Report by the Government of Ghana to
the Food and Agriculture Organization
of the United Nations for the period
1955 to 1957

Includes section on fisheries, giving
notes on production, research, exploration,
mechanization, stocking freshwaters,
education.

Anonymous (1959) 59-6876
Mundo d. Natura, (3):91-2
Anaspidacei o Anomostraci (Anaspidacea
or Anomostraca)

Article on Anaspidacea or Anomostraca
consisting of synopsis of Anaspides
tasmaniae, Paranaspides lacustris,
Koonunga cursor, Bathynella natans,
Parabathynella stygia under headings:
morphological & anatomical characteristics,
ecology, classification & distribution.

FiB:sjh

MF

HR:hr

M

Wolf, K. & 59-6877
C.E. Dunbar (1959)
Spec.sci.Rep.U.S.Fish Wildl.Serv., (286)
8 p.

Methods of infecting trout with kidney disease and some effects of temperature on experimental infections

Transmission of kidney disease was studied in eastern brook trout, Salvelinus fontinalis, held at 12.5° C.

Fish were subjected to almost daily inoculations or exposures for 102 days, & observations were continued for an additional 200 days. Two strains of the causative bacterium were compared. The bacterium was fed alone, with glass

splinters, & with bile salts. It was also inoculated by 2 methods of abrasion.

GLK:kw

F

Jensen, A.C. (1958) 59-6877
Spec.sci.Rep.U.S.Fish Wildl.Serv., (262)
6 p.

Corrosion resistance of fish tagging pins

Aquarium-held haddock were tagged with nickel and Type 304 stainless steel pins to compare the corrosion resistance of the 2 metals. The stainless steel pins proved to be superior.

GLK:acj

M

Gennerich, J. (1958) 59-6880
Allg.FischZtg., 83:61-5
Sind Fischpässe in kanalisiert
Flüssen wirtschaftlich gerechtfertigt?
(Are fish-passes in canalized rivers
economically justified?)

Discusses economical aspects of the problem & summarizes that the restocking should be preferred at places where typical migrators, such as salmon, are missing.

FAO:dr

F

Wunder, W. (1958) 59-6881
Allg.FischZtg., 83:67-9
Die Schleie, das Stiefkind der
modernen Teichwirtschaft (Tench,
the neglected child of modern pond
management)

Reviews the possibilities of a better tench management.

FAO:dr

F

Deufel, J. (1958) 59-6882
Allg.FischZtg., 83:74-6
Untersuchungen über die Wirkung von
T-Vitamin-Goetsch auf Regenbogenforellen
(Experiments on the effect of vitamin
T-Goetsch on rainbow trouts)

Describes feeding experiments & results.
(To be continued).

FAO:dr

F

Dawson, E.Y. (1959) 59-6883
Pacif.Nat., 1(7):8 p.
Some algae from Clipperton Island and
the Danger Islands

Taxonomic list of benthic algae from
some locations in tropical Pacific with
notes on the general distribution of
some spp.

FAO:tl

M

Brown, A.D. (1957) 59-6884
J.gen.Microbiol., 17:640-8

Some general properties of a
psychrophilic pseudomonad: the effects
of temperature on some of these
properties & the utilization of
glucose by this organism & Pseudomonas
aeruginosa

Some experiments undertaken to
determine some general properties of
a typical psychrophil, to compare some
of these properties with those of a
closely related mesophilic sp. & to
suggest ways in which it might be
possible to study the special properties

of the psychrophil which enable it to
thrive at low temperatures.

FiB:adb

F

Scalfati, G. (1959) 59-6886
Roma, Associazione Nazionale Produttori
della Pesca, 42 p.

Diritti di pesca e diritti di proprietà
delle acque dolci, salse e salmastre
destinate alla pesca - Relazione generale
al Convegno in Ancona, presso la Fiera
della Pesca - 13 luglio 1959 (Fishing
rights and rights of property in fresh,
salt & brackish waters used for fishing -
General report of the meeting in Ancona
at the "Fiera della Pesca" - 13 July
1959)

Discussion of the nature of fishing
rights, & property in these waters,

59-6886
(Card 2)

from statistical & general administrative
points of view.

FiB:glk

F

59-6884
(Card 2)

Barnard, J.L. & 59-6888
O. Hartman (1959)

Pacif.Nat., 1(6):16 p.
The sea bottom off Santa Barbara,
California: biomass and community
structure

The seabottom itself is described &
its communities are mapped, their
composition shown by tables giving
numbers of each sp. found at each of a
number of stations, & their biomass
shown by means of 'biomass profiles'.

FAO: L

M

Kutkuhn, J.H. (1958) 59-6889
Proc.Iowa Acad.Sci., 65:571-9
Utilization of gizzard shad by game
fishes

The paper points out the relative
importance of the gizzard shad to the
overall economy of game fish populations
in a shallow prairie lake.

WAD:wcb

F

Anonymous (1959) 59-6892
Science, 129:825-7
International Oceanographic Congress
Notice of the arrangements for this
meeting.

FAO:glk

M

Freeman, B.O. (1959) 59-6890
Miss.Game Fish., 22(8):4-5, 8
Management of farm fish ponds

A summary of pond management techniques
for Mississippi area.

FAO:wcb

F

Wilson, D.M. (1959) 59-6893
Science, 129:841-2
Function of giant Mauthner's neurons
in the lungfish

On the assumption that giant fibres
mediate startle responses, attempts
were made with various types of
stimulation of Mauthner's axons in
Protopterus, to produce sudden, single,
stereotyped, large-magnitude movements.

FAO:glk

M

Paloumpis, A.A. (1958) 59-6891
Proc.Iowa Acad.Sci., 65:580-6
Measurement of some factors affecting
the catch in a minnow seine

Evaluates effect of direction of seine
haul, number of hauls, water level, &
time on catch in a small stream, & the
number of samples needed to detect
varying percentage changes in fish
population.

WAD:wcb

F

Eibl-Fibesfeldt, I. (1959) 59-6894
UNESCO Mission Report, (8):31 p.
Survey on the Galapagos Islands

Report of a survey carried out jointly
by UNESCO & IUCN, in July 1957.
Map, many ill.; includes ecological
notes on endemic spp. such as the
marine iguana, Amblyrhynchus cristatus,
the fur sea, Arctocephalus galapagoensis,
& the sea lion, Zalophus wollebaeki.

FAO:glk

M

Mužinić, R. (1958) 59-6895
Rapp.Comm.int.Mer Médit., 14:313-5
Sur la coïncidence et l'alternance dans
la pêche de quelques poissons pelagiques
(On the coincidence and alternation in
the fisheries of some pelagic fishes)

Some parallel & opposite tendencies of
the fisheries of some small pelagic
spp. in the central part of the
oriental Adriatic are considered &
analysed.

FiB:hr

M

De Graaf, F. (1959) 59-6898
Bull.aquat.Biol., 1:41-3
On the use of Lindane in fresh and sea
water

Describes treatment of aquaria for
parasitic crustaceans.

FAO:wcb

MF

India. Ministry of Food 59-6896
& Agriculture (1958)
Indian Fish.Bull., 5(3):51 p.

Detailed summary & reports on marine &
inland fisheries developments in India
& elsewhere. Biological, technological
& socio-economic studies in progress,
technical assistance projects.

FAO:sjh

MF

Stock, J.H. (1959) 59-6899
Bull.aquat.Biol., 1:43
New host and distribution records of
parasitic Copepoda

Lists 5 new vertebrate hosts for
parasitic crustacea in N. Sea.

FAO:wcb

M

India. Ministry of Food 59-6897
& Agriculture (1958)
Indian Fish.Bull., 5(4):43 p.

Detailed summary & reports on marine &
inland fisheries developments in India
& elsewhere. Biological, technological
& socio-economic studies in progress,
technical assistance projects.

FAO:sjh

MF

Santos Pinto, J. dos (1958) 59-6900
Notas Acad.Inst.Biol.Marit., (18):25-30
Sarcomatose buccale simultanée avec une
grande hypertrophie de la thyroïde,
chez Trichiurus lepturus L. (Mouth
sarcomatosis together with a great
hypertrophy of the thyroid of Trichiurus
lepturus L.)

A study of the anomalies which are
described revealed their morphological
independence.

FAO:shr

M

Ward, F.J. (1959) 59-6901
Bull.int.Pacif.Salm.Fish.Comm., 10:70 p.
Character of the migration of pink
salmon to Fraser River spawning grounds
in 1957

Times of passage of pink salmon
migrating through the commercial
fisheries, intensity of the Fraser
River fishery, rates of migration &
periods of delay, chronological order
during migration, & enumeration of
escapement, studied in relation to
the requirements of scientific
management of the fisheries.

HR:glk

F

Lake, J.S. (1959) 59-6904
Res.Bull.St.Fish., N.S.W., (5):19 p.
The freshwater fishes of New South Wales

Ill. list of endemic & introduced spp.,
giving for some detailed notes on such
matters as habitat, size, reproduction,
food, angling qualities, & reaction to
handling, & for others brief notes on
appearance.

GLK:glk

MF

Olsen, A.M. (1959) 59-6902
Fish.News Lett.Aust., 18(6):15
School shark tag recoveries

Notice of recoveries with data on time
of release, growth & movement.

GLK:glk

M

Matida, Y. & 59-6905
N. Kawasaki (1958)
Bull.Freshw.Fish.Res.Lab., Tokyo, 8(1):
1-6

Study on the toxicity of agricultural
control chemicals in relation to fresh-
water fisheries management. No. 2
Toxicity of agricultural insecticides
to Daphnia carinata King

Describes experiments testing toxicity
of 14 agricultural insecticides on
Daphnia carinata King.

FiB:wcb

F

Ling, J.K. (1958) 59-6903
Fish.Contr., Victoria, (8):18 p.
The status of the East Gippsland bream
fishery

General description of the fishery &
discussion of catch statistics as
total, & catch per man annually &
monthly.

FAO:glk

MF

Takeya, T. (1958) 59-6906
Bull.Freshw.Fish.Res.Lab., Tokyo, 8(1):
7-14

(Developmental change of labial plate in
Chironomus plumosus (Tendipedidae) and
its age and length estimation). Ni En

Presents data on use of labial plate of
Chironomus plumosus in determining age &
length estimate of larva.

FiB:wcb

F

Maruyama, T. (1958) 59-6907
Bull.Freshw.Fish.Res.Lab., Tokyo, (8):
25-32

(An observation on Tilapia mossambica in pond referring to the diurnal movement with temperature change). Ni En

Deals with the diurnal movement of T. mossambica in relation to changes in temperature & oxygen content of the water.

FiB:wcb

F

Shiraishi, Y. & 59-6908
E. Tokunaga (1958)
Bull.Freshw.Fish.Res.Lab., Tokyo, (8):
33-43

(Spawning and its physical environment of pond-smelt (Hypomesus olidus) in lake Sagami). Ni En

Describes spawning requirements.

FiB:wcb

F

Kafuku, T. (1958) 59-6909
Bull.Freshw.Fish.Res.Lab., Tokyo, (8):
45-78

Speciation in cyprinid fishes on the basis of intestinal differentiation, with some references to that among catostomids

Describes characteristics of intestinal tracts of 3 races of crucian carp & suggests use as basis of taxonomic separation.

FiB:wcb

F

U.K. Herring Industry 59-6910
Board (1959)
Rep.Herring Ind.Bd.Scotl., 24:52 p.
Twenty-fourth annual report, 1958

The Board's report on the industry & its own activities, giving composition of the Board, state of the fishery (catches, disposal of landings, composition of the fleet), commercial & statutory arrangements between the Board & the industry, report on marketing, production, research & development, & public relations activities.

FAO:glk

M

Lennon, R.E. (1959) 59-6911
Spec.sci.Rep.U.S.Fish Wildl.Serv., (287):
13 p.

The electrical resistivity meter in fishery investigations

Reviews the use of this equipment for estimating total dissolved solids content of waters, selection of gear for electrofishing, & determination of velocity, stretch-out, dilution & effective range of a solute along the course of a river.

GLK:glk

F

Moore, H.L. (1959) 59-6912
Spec.sci.Rep.U.S.Fish Wildl.Serv., (272):
31 p.

Doctoral dissertations on the management and ecology of fisheries

Titles, extracted from the annual "Doctoral Dissertations Accepted by American Universities" 1951-52 to 1954-55, published by H.W. Wilson Company, New York, are grouped under subject headings; degree for which presented, & University, are given.

GLK:glk

MF

Romaniuk, V.A. (1958) 59-6913
Bull.Acad.Sci.U.R.S.S., (geophys.), (1):
54-64
(Determination of gravity at sea with
a pendulum. III.). Ru

M

Shuleikin, V.V., V.F. Gushchin 59-6916
& P.I. Pesnov (1958)
Bull.Acad.Sci.U.R.S.S., (geophys.), (6):
729-40
(Fluctuations of the heat balance in
the Atlantic Ocean). Ru

M

Kontoboitseva, N.V. (1958) 59-6914
Bull.Acad.Sci.U.R.S.S., (geophys.), (1):
86-92
(Measurement of temperature oscillation
in the surface layer of the sea). Ru

M

Gal'perin, B.I. & 59-6917
I.P. Kosminskaya (1958)
Bull.Acad.Sci.U.R.S.S., (geophys.), (7):
833-47
(Some features of the method of deep
seismic sounding in the sea). Ru

M

Khlopov, V.V. (1958) 59-6915
Bull.Acad.Sci.U.R.S.S., (geophys.), (2):
235-43
(Changes in the mixing coefficient
according to observations in the Black
Sea). Ru

M

Mamaev, O.I. (1958) 59-6918
Bull.Acad.Sci.U.R.S.S., (geophys.), (7):
870-5
(The effect of stratification on the
vertical turbulent mixing in the sea).
Ru

M

Pertsev, B.P. (1958) 59-6919
Bull.Acad.Sci.U.R.S.S., (geophys.), (8):
946-58
(Harmonic analysis of elastic tides).
Ru

M

Khvan, A.P. (1958) 59-6922
Bull.Acad.Sci.U.R.S.S., (geophys.), (10):
1202-10
(The field of wind waves in a shallow
lake). Ru

F

Legen'kov, A.P. (1958) 59-6920
Bull.Acad.Sci.U.R.S.S., (geophys.), (8):
989-94
(Free plane oscillations of an ideal
homogeneous liquid in an infinite canal
of variable section). Ru

MF

Kolesnikov, A.G. & 59-6923
I.I. Speranskaia (1958)
Bull.Acad.Sci.U.R.S.S., (geophys.), (11):
1351-9
(An apparatus for determination of heat
flow). Ru

M

Kostina, A.F. (1958) 59-6921
Bull.Acad.Sci.U.R.S.S., (geophys.), (8):
1029-32
(Relation between microseism observed in
the Crimea and the meteorological
conditions over the Black Sea). Ru

M

Kolesnikov, A.G. & 59-6924
A.A. Speranskaia (1958)
Bull.Acad.Sci.U.R.S.S., (geophys.), (12):
1463-9
(The diurnal rise of temperature in
water in spring and the rate of thawing
of the base of ice cover in reservoirs).
Ru

F

Hjul, P. (1959) 59-6925
France pêche, 4(29):21-4
Les études des architectes navals de la
F.A.O. sur les bateaux de recherches
scientifiques du sud de l'Afrique
(The studies by FAC Naval Architects
on South African scientific research
vessels)

Account of international collaboration
in the design of the SARDINOPS & the
TRACHURUS, with information on the
features of these vessels.

GLK:glk

M

E.P. (1959) 59-6928
France Pêche, 4(30):24-7
Les longoustiers bretons en Mauritanie
(Lobster fishers from Brittany in Mauritania)

Popular account of the fishery, its
grounds gear, boats & bait. Trawling.
Statistics.

GLK:glk

M

Lenier, R. (1959) 59-6926
France pêche, 4(29):26-33
Eléments nouveaux sur la migration des
thons (New elements on the migration
of tunas)

Restatement of results from GFCM papers
on the application of echo-sounders to
the study of tuna migration.

GLK:glk

M

Priol, E. (1959) 59-6929
France Pêche, 4(30):30-2
Les oiseaux et la pêche (Birds and
fishery)

Popular note on birds feeding on fish,
their value as indicators of the
presence of fish, & of meteorological
conditions.

GLK:glk

M

Anonymous (1959) 59-6927
France pêche, 4(29):39-40
Fiche technique du sprat et du rouget-
barbet (Fishery card on sprat and
red mullet)

Detachable cards, ill., giving biology,
habitat, fishing, catch, commercial use
of Clupea sprattus & Mullus barbatus.

GLK:glk

M

Anonymous (1959) 59-6930
France pêche, 4(30):49-50
Fiche technique de la cardine et du
grondin gris (Fishery card on
megrim and grey gurnard)

Detachable cards, ill. giving biology,
habitat, fishing, catch, commercial use
of Zeugopterus megastoma or Lepidorhombus
megastoma & Trigla gurnadus.

GLK:glk

M

Corchus, Z. (1957) 59-6931
Bull.franç.Pisc., 30(186):5-21.
Problèmes du repeuplement des régions
à brème et à barbeau dans les eaux
continentales françaises (Some
problems on restocking French
continental waters with bream and red
mullet)

Discusses principal causes for decline
in populations, methods of restocking,
describes nesting & egg boxes, &
social aspects of restocking.

FAO:wcb

F

Lenier, R. (1959) 59-6934
France pêche, 40(31):22-8
Que savons-nous des océans? (What
do we know about the oceans?)

Popular note on marine phenomena &
sea-monsters.

GLK:glk

M

Grasset, O. (1957) 59-6932
Bull.franç.Pisc., 30(186):22-5
La production piscicole et l'envasement
(Fish production and silting)

General discussion of fish production &
the effects of siltation.

FAO:wcb

F

Kurc, G. & 59-6935
A. Percier (1959)
France pêche, 40(31):34-42
La pêche à la lumière - Les essais de
l'Institut Scientifique des Pêches
(Fishing and light - The attempts of
the "Institut Scientifique des Pêches")

Description of this method of fishing,
with diagrams & photographs. Reprint
of Sci.Pêche, April-May 1959.

GLK:glk

M

Molard, J. (1959) 59-6933
France pêche, 40(31):17-21, 60
L'industrie marocaine des pêches
(Moroccan fisheries industry)

Review of production, fishing methods,
handling, marketing & distribution,
& administration with some detail on
the sardine & tuna fisheries.

Anonymous (1959) 59-6936
France pêche, 40(31):49-50
Fiche technique de la coquille Saint-
Jacques (Fishery card on scallop)

Detachable cards, ill., giving biology,
habitat fishing, catch, commercial use
of Pecten maximus.

GLK:glk

M

Rich, W.H. (1959) 59-6937
Seattle, Washington, 12 p.
Pend Oreille Lake, Idaho: - Analysis of
creel census data for 1958 and résumé
of the eight year study

Tabulation of indices of abundance for
the years 1951 to 1958 based on (1)
number of fishermen interviewed, (2)
number of hours fishing reported,
(3) number of kokanee caught, &
discussion with regard to evidence on
the age composition of the stocks.

GLK:glk

F

Soekarno, R. (1959) 59-6940
Occ.Pap.Indo-Pacif.Fish.Coun., 59/7:6 p.
mimeo

The function and significance of fish-
culture in relation to the regional
village economy

General discussion of the socio-economic
role of fishculture in Indonesia.
Gives some production figures.
Reissue of 59-6061.

FiB:wcb

MF

Anonymous (1958) 59-6938
Bol.Pesca, 11(60):12-9
Pescarias e cooperação internacional
(Fisheries and international cooperation)

Portuguese translation of 59-3229.

MF

Michigan. Department of 59-6941
Conservation (1958)
Bienn.Rep.Dep.Conserv., Michigan, (19):
98 p., 1957-1958

Brief summary of states fishery
program & highlights of findings.

FiB:wcb

F

Demel, K. (1959) 59-6939
Warszawa, Państw.Zakł.Wydawnictw
Szkolnych, 148 p., 3rd ed.
Biologia morza (Marine biology)

First edition in 1927.

M

Chang, C.W. (1959) 59-6942
FAO Reg.Off.for Asia and the Far East,
Bangkok, 51 p.

Lists of government agricultural
organizations and selected agricultural
colleges, together with names of their
chief administrators, by countries in
Asia and the Far East

MG

Postel, E. (1958) 59-6943
Etud. Outre-Mer, (Aug. Sept. Oct.): 11 p.
Biologie marine et évolution des pêches
maritimes dans les territoires d'outre-
mer (Marine biology and evolution
of marine fisheries in the overseas
territories)

Contains a brief historical review of
the development of the organization of
fisheries research in French territories,
a detailed description of the present
organization with information on
laboratories staff & research vessels,
description of research carried out &
obtained results, research required &
general bibliography.

GLK:hr

M

Carter, N.C.C. (1957) 59-6944
Thesis, Univ. of Cambridge, U.K.
Studies on the cultivation of Euglena
spirogyra

Investigation of suitable media &
techniques.

:sjh

F

Plack, P.A. (1957) 59-6946
Thesis, Univ. of Cambridge, U.K.
The vitamin A of some marine Crustacea
and its metabolism

Chemical study of extracts from
euphausiids, Mes, anyctiphanes & Thysanoessa
spp. & decapods, Pandalus spp.

:sjh

M

Shelton, G. (1957) 59-6947
Thesis, Univ. of Cambridge, U.K.
Respiratory movements and their
nervous regulation in teleost fish

Simultaneous ciné records of breathing
movements & pressure changes in buccal
& opercular cavities of Salmo trutta,
Rutilus rutilus & Tinca tinca.

:sjh

F

Anthony, E.H. (1957) 59-6945
Thesis, Univ. of Cambridge, U.K.
The effects of thermal environment upon
the blood of goldfish, Carassius auratus

Determination of capacity & affinity for
oxygen of blood from fish acclimatised
at range 5 - 30°C; & of importance of
haemoglobin for respiration.

:sjh

F

Loeb, H.A. (1959) 59-6948
N.Y. Fish Game J., 6(1): 114-6
General notes - Temperature-controlled
aquarium tanks

Describes effective, relatively
inexpensive 3 - 500 gallon aquarium
construction.

FiB:wcb

FG

Kelly, W.H. & 59-6949
H.A. Loeb (1959)
N.Y.Fish Game J., 6(1):119-20
Inexpensive tag for identifying
laboratory fish

Contents as per title.

FiB:wcb

FG

Anantaraman, S. & 59-6952
S. Krishnaswamy (1958)
J.zool.Soc.India, 10(1):1-3
Tetraphyllidean larvae in the marine
copepod, Eucalanus psolattenuatus
Sewell, from the Madras coast

Brief description.

GLK:glk

M

Kelly, W.H. 59-6950
N.Y.Fish Game J., 6(1):118-9
A fish-holding device

Describes construction of an efficient
holding device for large individual
fish.

FiB:wcb

FG

Tam, I, P.A.S. (1958) 59-6953
J.zool.Soc.India, 10(1):15-32
The anatomy of Armandia leptocirris
Grube (Polychaeta)

The anatomy of the common Opheliid
polychaete Armandia leptocirris
occurring in the intertidal areas in
Krusadai Island in the Gulf of Mannar
is described pointing out the salient
comparative anatomical features with
those of other known Opheliids.

GLK:prt

M

Brook, A.J. (1958) 59-6951
Proc.R.Irish Acad., 59B:71-91
Desmids from the plankton of some
Irish loughs

Paper deals with morphology of the
more interesting & unusual desmids.

FiB:wcb

F

Ramamoorthi, K. (1958) 59-6954
J.zool.Soc.India, 10(1):33-8
Chromosomes of Viviparus dissimilis
(Muller) and Viviparus bengalensis
(Lamarck) (Prosobranchia - Gastropoda)

Contents as per title.

GLK:glk

M

Krishnamoorthi, K.P. (1958) 59-6955
J.zool.Soc.India, 10(1):49-53
 Changes in the free amino acids in the
 different stages of ovary of the fish,
Labeo fimbriatus (Bloch), Lystus
seenghala (Sykes) and Bolcoththalmus
boddaerti (Day)

Contents as per title.

GLK:glk

F

Swarup, H. (1958) 59-6958
J.zool.Soc.India, 10:108-13
 Abnormal development in the temperature-
 treated eggs of Gasterosteus aculeatus
 (L.); I cleavage abnormalities

Contents as per title.

GLK:glk

M

Rangarajan, K. (1958) 59-6956
J.zool.Soc.India, 10(1):54-67
 Diurnal tidal cycle in Vellar estuary

 Tides & tidal range, temperature changes,
 salinity, oxygen, carbonates &
 bicarbonates, currents, turbidity &
 plankton.

GLK:glk

MF

Sriramulu, V. (1958) 59-6959
J.zool.Soc.India, 10:114-9
 Quantitative study of the amino acids
 in the development of Cryzias melastigma
 (McClelland)

Quantitative study of the amino acids &
 amino nitrogen during the development of
Cryzias melastigma (McClelland).

GLK:vs

M

Natarajan, R. (1958) 59-6957
J.zool.Soc.India, 10:103-7
 Chromosomes of some estuarine
 Basommatophorous snails (Mollusca:
 Pulmonata) from Portonovo

The karyotypes of 3 representatives of
 Basommatophorous snails belonging to the
 family Ellobiidae have been studied, &
 chromosome numbers of these spp. reported
 for the first time.

GLK:rn

MF

Alikunhi, K.H. (1958) 59-6960
J.zool.Soc.India, 10:120-47
 Notes on a collection of stomatopod
 larvae from the Bay of Bengal, off the
 Mahanadi estuary

Morphological & distributional notes on
 spp. of Squilla & Lysioesquilla.

GLK:glk

MF

Swaminathan, S. (1958) 59-6961
J.zool.Soc.India, 10:150-4
The amino acids of the crystalline style
of Telescopium telescopium (Linn.)

The amino acid composition of the
crystalline style of Telescopium
telescopium (Linn.) has been studied &
compared with that of Sanguinolaria
diphos Gmelin, & Macra sulcataria
(Reeve).

GLK:glk

L

Tartar, V. (1958) 59-6964
J.exp.Zool., 139:479-505
Specific inhibition of the oral
primordium by formed oral structures
in Stentor coeruleus

Experimental embryological examination
of the formation of the oral primordium
in the presence of intact organelles &
of the consequences of various
excisions & graftings.

FAC:glk

F

Jain, S.L. (1958) 59-6962
J.zool.Soc.India, 10:155-64
New species of the genus Urocleidus
Mueller, 1934, from the gill filaments
of some Indian fishes

Two new spp. of the genus Urocleidus
Mueller, 1934, namely U. xenentodoni &
U. rhyncobdelli, recovered from
Xenentodon cancila (Hamilton) &
Rhyncobdella aculeata (Bloch).

GLK:glk

F

Greenfield, L. et al. (1958) 59-6965
J.exp.Zool., 139:507-24
Cyclic biochemical changes in several
echinoderms

Study of the classes of substances
that accumulate in the gonads of
urchins & starfishes, &, in the latter,
in the pyloric caeca as well, during
an annual reproductive cycle.
Composition of the perivisceral fluid
was also studied; in addition to
determining organic substances, amount
of water present, & ash content of
tissues was determined.

FAO:glk

M

Johnson, J.H. (1958) 59-6963
Spec.sci.Rep.U.S.Fish Wildl.Serv., (267):
84 p.
Surface-current studies of Saginaw Bay
and Lake Huron, 1956

Study of the surface currents by using
drift bottles & dynamic-height
method. Correlation of the direction of
the currents with the direction of
prevailing.

WAD:tl

F

Oliver, J.H. (n.d) 59-6966
23 p.
The hydrology of the estuary of Langston
Harbour

Determination of soluble phosphate,
silicate, reduced iron & nitrogen in
the waters in thousands of Langston
Harbour, comparison of these findings
with those for the surrounding sea &
correlation with meteorological
phenomena. Discussion of the importance
of assessing particulate ferric
phosphate when making studies of inshore
water nutrients.

GLK:glk

M

American Meteorological
Society (1959)
Met. Abstr., 10(1):1-174

59-6967

Contains annotated current references arranged by subject, & incl. selective annotated bibliography on selected works of Charles Ernest Pelham Brooks, which latter is arranged as follows: Introduction; Outline of contents; Major works; Shorter articles monographs. List of relevant journals; author, geographical & subject indexes.

FAO:sjh

II

King, T.A. (1957) 59-6970
Tech. Bull. Soc. nav. Archit. mar. Engrs.
(4-1):23 p.

Transoceanic routing of ships based upon meteorological forecasts

MA 10(1)82. A detailed report on a partially controlled study of speed of 27 trans-Atlantic ship crossings during Jan. 1955 - Feb. 1956, using the usual Great Circle Routes vs. using a route planned on the basis of individualized forecasts of meteorological & oceanographic conditions expected en route. Methods are described & ill.

ma

II

Langlo, K. (1957) 59-6968
Bull. World met. Org., 6(1) 10-3
Second session of the commission for maritime meteorology

MA 10(1) 47. Summary of activities & recommendations made at the 2nd session of IMO CMM at Hamburg on Oct. 16-31, 1956.

ma

II

Moriyasu, S. (1958) 59-6971
Mem. mar. Obs. Kobe, 12(2):1-18

Seasonal variations of water temperature and chlorinity in the upper layer (On the fluctuation of the Kuroshio south of Honshu, Pt. 2)

MA 10(1)257. Dynamical consideration is not made but diffusion equation is used to explain variation.

ma

II

Jolas, P. (1958) 59-6969
C.R. Acad. Sci., Paris, 246:1659-61
Sur le calcul approché de la houle irrotationnelle (Approximate calculation of the irrotational surge)

MA 10(1) 77. Explains by elementary means the Stokes formulas used for the approximate calculation of the plane, periodic, irrotational, permanent wave of small amplitude.

ma

II

Müst, G., E. Hoodt 59-6972
& E. Hagmeier (1957)
Kieler Meeresforsch., 13(2):163-85
Die Verteilung von Temperatur, Salzgehalt und Dichte (Distribution of temperature, salinity and density)

MA 10(1)258. Serial observations supplemented by measurements with an electrical-resistance-thermometer & carried out on the R.V. SUDFALL in July-Aug. 1956 made it possible to construct more detailed longitudinal section of temperature, salinity, & density through the Baltic, from

59-6972
(Card 2)

Kiel Bay to the Gulf of Finland. Some insight is gained into the complicated micro-stratification of this brackish sea. Consequences for further investigations are discussed.

ma

M

American Meteorological Society (1959) 59-6976
Met.Abstr., 10(2):175-330

Contains annotated current references arranged by subject, & incl. selective annotated bibliography on tornado analysis and forecasting, which latter is arranged as follows: Introduction; Outline of contents; Supplementary material. List of relevant journals; author, geographical & subject indexes

FAOsjh

HF

Albrecht, F.H.W. (1958) 59-6974
Geofis.pur.appl., 39:194-215

Untersuchungen über den Wärmeumsatz an der Meeresoberfläche und die Meeresströmungen im Indischen Ozean (Research on the heat exchange at the sea surface and the currents in the Indian Ocean)

MA 10(1)259. The Indian Ocean N of 35°S seems to be an isolated water mass - as to heat balance - but calculations shown in this article refute this assumption; actually the ocean loses heat, which is replaced by ocean currents in the equatorial zone during Northern Summer. The text deals with

ma

M

Longuet-Higgins, M.S. (1957) 59-6977
Phil.Trans., 249A(966):321-87
Statistical analysis of a random, moving surface

MA 10(2)25. Theoretical treatise on the statistical properties of waves in the open ocean. Divided into 3 major parts: 1) Description of the surface; 2) Statistical properties; 3) A method of determining the energy spectrum & its relation to observable statistical properties.

ma

M

59-6974
(Card 2)

theory; charting heat - radiation & cloud cover - balance; charts of heat exchange at the sea surface; the annual heat balance & sea surface temperature regime; the current system; heat exchange & sea surface temperature in the drifting water masses; & with the net heat balance. Data from the Australian radiation network were used in calculations of energy received.

ma

M

Miyake, Y. (1958) 59-6978
Ann.int.Geophys.Year, 1957-58, 5(5)359
Methods for the measurements of radioactivity in sea water

MA 10(2)68. Man-made radioactive elements in sea water are co-precipitated with a small amount of iron & barium from sea water, as ferrous & sulphate respectively. Method was applied to measure the distribution of the radioactivity in the North Pacific ocean.

ma

M

Ito, N. (1958) 59-6979
J.met.Res., 10(3):173-8
 On the evaporation from the Japan Sea during the winter monsoon

MA 10(2)194. Calculates the differences of moistures & those of sensible heat energies in the atmospheric columns between two stations.

ama

M

Japan. Meteorological 59-6982
 Agency (1957)
Oceanogr.Rep., Tokyo, 6(4):253 p.

MA 10(3)71. Series of detailed oceanographic studies gives in tables, cross sections, isopleth charts & graphs, an analysis of temperature, chlorinity, plankton, current velocity, dissolved oxygen & phosphate conditions in particular areas around Japan.

ama

M

American Meteorological 59-6980
 Society (1959)
Met.Abstr., 10(3):331-498

Contains annotated current references arranged by subject, & incl. selective annotated bibliography of recent literature on soil moisture, which latter is arranged as follows: Introduction; List of items previously published in MAB on soil moisture; Subject outline; Supplementary material. List of relevant journals; author, geographical & subject indexes.

FAO:sjh

MF

American Meteorological 59-6983
 Agency (1959)
Met.Abstr., 10(4) 499-661

Contains annotated current references arranged by subject, & incl. selective annotated bibliography on thunderstorm spheres (supplement), which latter is arranged as follows: Outline of contents; Supplementary material. List of relevant journals; author, geographical & subject indexes.

FAO sjh

MF

Deutsches Hydrographisches 59-6981
 Institut (1958)
 Hamburg, 758 p.

Nordsee-Handbuch östlicher Teil von Hanstholm bis Terschelling
 (Handbook of the North Sea, eastern section from Hanstholm to Terschelling)

MA 10(3)27. The 12th edition of this standard "Coast Pilot" for the eastern part of the south coast of the North Sea contains revised material from the Dutch, Danish & German coastal survey charts. German Hydrographic Institute is described.

ama

M

Zakharov, L.A. & 59-6984
 Iu.V. Istoshin (1957)

Met.Gidrol., (1) 60-1
 Vtoraiia sessiia Komissii morskoi meteorologii Vsemirnoi meteorologicheskoi organizatsii
 (Second session of the Commission on Maritime Meteorology of the World Meteorological Organization)

MA 10(4)30. Questions discussed & resolutions adopted are summarized. These incl. an album of illustrations & abbreviations of ice nomenclature; the formulation of an ice code; questions dealing with the measurement of sea

59-6984
(Card 2)

surface temperature, observation & reporting of visibility at sea, aerological observations from commercial vessels, increase in the number of vessels & personnel engaged in hydro-meteorological observations, preparation of marine climatological atlases.

ma

M

Kitaigorodskii, S.A. (1957) 59-6988
Bull.Acad.Sci.U.R.S.S.(Geof.), (9):
1118-32

O koeffitsiente vertikal'nogo turbulentnogo obmena v more
(Coefficient of the vertical turbulent exchange in the sea)

MA 10(4)70. The wind and wave results of the application of a "semi-empirical" theory of turbulence to dynamic processes in the sea are examined. A simplified method for calculating the coefficient of turbulent exchange produced by the simultaneous action of wind waves & currents is used.

ma

M

Mamaev, O.I. (1957) 59-6986
Bull.All-Un.geogr.Soc., 89(3):255-9
N.N. Miklukho-Maklaï kak okeanograf
(N.N. Miklukho-Maklaï as an oceanographer)

MA 10(4)60. The various oceanographic observations made of water temperature in the Pacific, near the western coasts of South America, near New Guinea, etc. are described. His oceanographic writings are cited.

ma

M

Sugiura, J. (1958) 59-6989
J.met.Res., Tokyo, 10(7):549-53
On the sea conditions in the Okhotsk sea

MA 10(4)72. Seasonal variations of the temperature, the chlorinity & the current velocity in the Soya warm current area & the Okhotsk cold water area were studied, based on 15 sets of oceanographic data taken in the period between 1946 & 1957.

ma

M

Sirén, A. (1957) 59-6987
Geophysica, Helsinki, 4(3):113-5
Henrik Rengqvist, in memoriam

MA 10(4)61. Short bibliography.

gh

M

Miyazaki, M. (1957) 59-6990
Oceanogr.Mag., 9(2):209-25
On storm surges which recently struck the Japanese coast

MA 10(4)186. Summary report on surges during the period 1900 through 1957.

ma

M

Pore, A. (1957) 59-6991
Mon. Weath. Rev., Wash., 85(12):385-92
Ocean surface waves produced by some recent hurricanes

MA 10(4)196. An analysis of wave & swell conditions in 6 recent hurricanes - "Hazel", 1954; "Connie", "Diane" & "Janet", 1955; "Betsy" 1956 & the Gulf hurricane of 1950. Composite charts of wave height, direction & period are given for different stages of each storm & composite wind chart for "Connie" & "Diane".

ma

II

Lister, B.A.J. (1959) 59-6994
Discovery, 20:332-9
The safe disposal of radioactive wastes

Incl. discussion of disposal of wastes in sea & rivers - methods, hazards, control.

FAO:sjh

MF

Fisher, E.L. (1958) 59-6992
J.Met., 15(2):164-71
The exchange of energy between the sea and the atmosphere in relation to hurricane behavior

MA 10(4)218. A previous study having suggested a relationship between sea-surface temperatures & hurricane behavior, it was felt that the mechanism producing this effect must be the eddy flux of energy from sea to air in the vicinity of a hurricane. This is investigated synoptically by means of the equations used by Jacobs.

sma

M

Croome, A. (1959) 59-6995
Discovery, 20:352
Geophysics and space research - High elevation beneath Arctic Ocean

On February 15, 1959, Russian North-Pole-6 drifting station recorded a depth of only 2400 feet beneath the floe on which the station is located, at 86°54'N, 61°40'E, a position about 217 miles from the geographical pole & 347 miles north of Franz Josef Land.

FAO:ac

M

Anonymous (1959) 59-6993
Discovery, 20:330
Giba colloquium on ageing

Editorial note on symposium, with reference to discussion of fish longevity.

FAO:sjh

MF

Clarke, A. (1957) 59-6996
London, F. Muller, 224 p.
The deep range

A novel dealing with future possibilities of plankton "farming" & "herding" marine animals.

:sjh

M

Fletcher, T.J. (1959) 59-6997
Discovery, 20:356
The deep range

Review of 59-6996.

FAO:

M

Seshaiya, R.V. (1959) 59-7000
Curr.Sci., 28:260-1
Perspectives in marine biology

Review of 59-6769.

FAO:

M

Ganapati, P.N., D.G.V. 59-6998
Prasada Rao & M.V.L. Rao (1959)
Curr.Sci., 28:246-7
Bioluminescence in Visakha-Patnam
harbour

Report of the occurrence which was
caused by the presence of Pericinium
granii Ostenfeld, with notes on their
bioluminescent behaviour.

FAO:glk

M

Hennemuth, R.C. (1959) 59-7001
Bull.interam.trop.Tuna Comm., 3(6):
241-304
Morphometric comparison of skipjack
from the central and eastern tropical
Pacific ocean. En Es

Investigation of the population
structure of the stocks of skipjack
inhabiting the eastern tropical
Pacific fishing region, & of their
relations with the stocks of other
fishing areas in the central Pacific.
Based on analysis of samples of
morphometrical data collected from
several areas within the eastern

Sathyanesan, A.G. (1959) 59-6999
Curr.Sci., 28:247-8
On the structural and functional
differences between the anterior and
posterior testis in the catfish, Hystus
seenghala (Sykes)

Histological note relating to seasonal
changes of the gonad.

FAO glk

F

59-7001
(Card 2)
Pacific, & the Hawaiian & Society-
Marquesas island areas.

GLM:rch

M

IPFC (1957) 59-7003
 IPFC 7th Sess. Pap. (mimeo), IPFC/57/
 SYM. 3 Rev.

Report on the symposium on fish
 culture in rice fields

FIB: F

Witn, G.M. (1957) 59-7006
 IPFC 7th Sess. Pap. (mimeo), IPFC/57/
 SYM. 4

Fisciculture in reclaimed swamps and
 its role in rural economy in Orissa

FIB: F

Ardiwinata, R.S. (1957) 59-7004
 IPFC 7th Sess. Pap. (mimeo), IPFC/57/
 SYM. 1

Fishculture on paddy fields in
 Indonesia

FIB: F

WILLIAMS, I.W.R. (1957) 59-7007
 IPFC 7th Sess. Pap. (mimeo), IPFC/57/
 SYM. 4

Observations on the culture of
 brackishwater fishes in paddy fields
 in West Bengal (India)

FIB: MF

Johnson, J.L. (1957) 59-7001
 IPFC 7th Sess. Pap. (mimeo), IPFC/57/
 SYM. 3

Food-fish farming in the United States
 of America

FIB: F

IPFC (1957) 59-7001
 IPFC 7th Sess. Pap. (mimeo), IPFC/57/
 SYM. 3

Fish culture in rice fields - a
 preliminary review and annotated
 bibliography

FIB: MF

Sao-Thiên-Buu (1957) 59-7002
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
SYM. 7
Quelques essais de rizipisciculture au
Sud-Viêt-Nam (Some trials of rice
fish-culture in South Vietnam).

FiB:

F

Hayashi, S. (1957) 59-7012
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 6
A review on age determination of the
Pacific tunas

FiB

M

Otsu, T. & 59-7010
R.N. Uchida (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 2
Age determination of albacore by the
vertebral method

FiB:

M

Ronquillo, I.A. & 59-7013
A. de Jesus (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 8
Notes on growing of lab-lab in Bangos
nursery ponds

FiB:

MF

Kobayashi, S. & 59-7011
H. Hirata (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 4
How should the time of food-supply be
controlled in fish-culture?

FiB:

F

Ronquillo, I.A. & 59-7014
E. Villamater (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 10
Observations on artificial feeding of
bangos fry, Chanos chanos (Forsk.)

FiB:

MF

Sulit, J.I., R.S. Esguerra 59-7015
& H.R. Rabanal (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/657/
TECH 12
Fertilization of bangos nursery ponds
with commercial chemical fertilizer

FiB:

MF

Vaas, A. & 59-7018
van Oven (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/657/
TECH 14
On the use of marygold (Tithonia
diversifolia Gray) as green manure in
Indonesian carp ponds

FiB:

F

Vaas, K.F. (1957) 59-7016
IPFC 7th Sess.Pap.(mimeo), IPFC/657/
TECH 13 - I
Studies on food and feeding habits of
the common carp in Indonesian ponds -
I) Changes in the diet during growth

FiB:

F

Vaas, A. & 59-7019
van Oven (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/657/
TECH 15
Experiments on different stocking rates
of the common carp (Cyprinus carpio L.)
in nursing ponds

FiB:

F

Vaas, K.F. (1957) 59-7017
IPFC 7th Sess.Pap.(mimeo), IPFC/657/
TECH 13 - II
Studies on the food and feeding habits
of the common carp in Indonesia -
II) The food of the common carp in
ponds in various circumstances

FiB:

F

Soeseno, R.S. (1957) 59-7020
IPFC 7th Sess.Pap.(mimeo), IPFC/657/
TECH 16
Some notes on a tendipedide larva of
the plumosus-type from Java

FiB:

F

Djajadiredja, R.R. (1957) 59-7021
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/

TECH 17

A preliminary report of the
introduction of the Philippine type
nursery in Indonesia

FiB:

MF

Yamanaka, H. (1957) 59-7024
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/

TECH 22

On the currents in the Solomon seas
from the drift of tuna long-lines
between June and August in the years
1952 and 1953

FiB:

M

Rabanal, H.R. & 59-7022
L.V. Hosillos (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/

TECH 20

Control of less desirable exotic
species of fish competing with or
harmful to desirable indigenous
species in inland waters in the
Philippines

FiB:

F

Ueyanagi, S. (1957) 59-7025
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/

TECH 24

On the young of the black marlin,
Eumakaira nigra Nakamura

FiB:

M

Honma, M. & 59-7023
T. Kamimura (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/

TECH 21

Studies on the albacore - V. The
fishing condition and size of albacore
in the South Pacific Ocean

FiB:

M

Mimura, K. (1957) 59-7026
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/

TECH 25

Length frequencies of big-eye tuna
caught from the Indo-Australian
Archipelago area

FiB:

M

Kikawa, S. (1957) 59-7027
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 26

The concentrated spawning areas of the
big-eye tuna in the Western Pacific

FiB:

M

Motoda, S. (1957) 59-7030
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 33

Experiments on the quantitative
assessment of zooplankton by net haul

FiB:

M

Yabuta, Y. & 59-7028
M. Yukinawa (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 28

The growth and age of yellowfin tuna

FiB:

II

Sarojini, K.K. (1957) 59-7031
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 53

Observations on the occurrence,
collection, acclimatization, transport
and survival of mullet seet in West
Bengal (India)

FiB:

MF

Kawamoto, N.Y. (1957) 59-7029
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 29

A consideration on the productivity
in the intensive carp culture

FiB:

F

de Zylva, E.R.A. (1957) 59-7032
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 57

The gouramy in Ceylon

FiB:

F

Chiu, B.T. (1957) 59-7033
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 58

Seaweeds of economic importance in
Hong Kong

Tester, A.L. (1957) 59-7036
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 5

A summary of the 1955-56 research
program of the Pacific Oceanic
Fishery Investigations, Honolulu, T.H.

FiB: M

FiB: M

Fish, G.R. (1957) 59-7034
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 63

The fish culture research station
(Batu Berendam, Malacca, Federation
of Malaya)

IPFC (1957) 59-7037
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 6

Report of special sub-committee on
"tuna catch statistics chart"

FiB: MF

FiB: M

Rapson, A.M. (1957) 59-7035
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
TECH 64

Coastal and highland fresh water
fishery problems of Papua and New
Guinea

Saanin, H. (1957) 59-7038
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 8

Report on International Rice
Commission 5th session, Calcutta,
India, 12-19 November 1956

FiB: F

FiB: F

Rosa, H., Jr. (1957) 59-7039
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 9
Synopsis of data on Hilsa - Hilsa
ilisha (Hamilton-Buchanan) 1822

IPFC (1957) 59-7042
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 22
Indo-Pacific fisheries year

FiB:

MF

FiB:

MF

FAO. Fisheries Division 59-7040
Biology Branch (1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 15
A note on recent developments in the
study of the dynamics of exploited
fish populations

IPFC (1957) 59-7043
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 23
Rastrelliger investigations

FiB:

MF

FiB:

M

FAO. Fisheries Division 59-7041
(1957)
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 19
Methods and equipment for research
in fisheries biology: measures toward
improvement and standardisation

Banerjee, S.M. (1957) 59-7044
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 26
Note on soil composition in relation
to productivity of fish ponds

FiB:

MF

FiB:

F

U.S. Fish & Wildlife Service (1957) 59-7045
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 30
 Commercial production of fish on rice lands

FiB:

F

Kuronuma, K. (1957) 59-7048
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 35
 Report of Technical Committee I

FiB:

MF

Nakai, Z. (1957) 59-7046
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 31
 Statement relevant to the problem of the basic productivity of the ocean

FiB:

M

IPFC (1957) 59-7049
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 36
 Report of the Technical Committee II (Panels A, B and C)

FiB:

MF

Nakai, Z. (1957) 59-7047
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/
WP 33
 Report on the standardisation of plankton collecting

FiB:

M

Bardach, J.E. (1959) 59-7050
Usom/Cambodia, 55 p.
 Report on fisheries in Cambodia

Account of the hydrological features of the Mekong River, Cambodian Great Lakes & associated waters; faunal list; account of fishing methods; spawning locations, migrations & food of some of the important spp. of fish; the industry & its administration.

DBF:glk

F

Ohlmer, W. & J. Schwartzkopff (1959) 59-7051
Naturwissenschaften, 46:362-3
 Schwimmgeschwindigkeiten von Fischen
 aus stehenden Binnengewässern
 (Swimming-velocity of fishes in
 standing inland waters)

See 59-

FAO:

F

Anonymous (1959) 59-7054
New Scient., 6:284
 Economical fish finding

Note on the production of a 12 or 24
 volt battery operated portable echo-
 sounder.

FAO:sjh

MF

Anonymous (1959) 59-7052
New Scient., 6:300
 Fish speeds

Note referring to 59-a0051, &
 tabulating swimming speed observations
 on Scardinius erythrophthalmus, Rutilus
rutilus, Perca fluviatilis, Abramis
brama swimming singly & in schools,
 in still water & in currents. Effect
 of fish size on swimming speed. Data
 also for Esox lucius & Lucioperca.

FAO:sjh

F

India. Zoological Society (1958) 59-7055
Bull.zool.Soc.India, (2):39 p.
 Application of zoological knowledge
 to national advancement

Contains the following brief
 contributions of interest to fisheries:
 "Fisheries research and development" by
 B.S. Bhimachar; "Place of ichthyology
 in teaching and research in India", by
 M. Chandy; "Destruction of timber by
 marine organism", by D.V. Bal;
 "Plankton and fisheries off Waltair
 Coast", by P.N. Ganapati; "Hormones
 and the spawning of carps", by L.S.

Tucker, M.J. (1959) 59-7053
New Scient., 6:275-7
 An introduction to oceanography - 3.
 The study of sea waves

Ill. article on wave motion; methods
 of study, results, interpretation,
 application, prediction.

FAO:sjh

M

59-7055
 (Card 2)
 Ramaswami; & "Teaching of fishery
 science in Indian universities", by
 M.L. Bhatia & H.L. Sarkar.

GLK:glk

MF

Lerner, I.M. (1958) 59-7057
New York, J. Wiley & Sons, Inc., 298 p.
The genetic basis of selection

GLK.

C

De Villafranca, G.W., T.S. 59-7060
Scheinblum & D.E. Philpott (1959)
Biochim.biophys.Acta, 34(1):147-57
A study on the localization of
contractile proteins in the muscle of
the horseshoe crab (Limulus polyphemus)

Fibrils of the cross-striated skeletal
muscle of this crab were glycerinated,
blended & washed & extracted with
solutions of high KCl concentrations
containing pyrophosphate or ATP, & the
identity of the removed protein
established.

FAO:glk

M

Piez, K.A. & 59-7058
J. Gross (1959)
Biochim.biophys.Acta, 34(1):24-39
The amino acid composition and
morphology of some invertebrate and
vertebrate collagens

The complete amino acid analysis of
collagens from a mammal - steer hide -,
an elasmobranch - shark elastoidin -,
an echinoderm - Thyone body wall -,
2 coelenterates - Metridium body wall
& Physalia float -, & 2 structurally
distinct collagens from the sponge are
presented along with a description of
some morphological characteristics of

Vogel, H.J. (1959) 59-7061
Biochim.biophys.Acta, 282:3
Lysine biosynthesis in Chlorella and
Euglena: phylogenetic significance

Comparison of the labelling patterns
of Chlorella vulgaris & Euglena
gracilis with those of Bacillus
subtilis & Candida utilis to test the
view that biosynthetic pathways are
characters of particular phylogenetic
significance.

FAO:glk

F

59-7058
(Card 2)
the tissues from which they were
derived.

FAO:kap

M

Rato, J.M. (1959) 59-7062
S.Afr.J.Sci., 55:161-2
The Marine Biological Station of Inhaca

Short account of history of this
island laboratory off Mozambique;
staff, visitors, finances, library.

FAO:sjh

M

Kalk, M. (1959) 59-7063
S.Afr.J.Sci., 55:178-80
The zoogeographical composition of the
intertidal fauna at Inhaca Island,
Mozambique

A short review of knowledge, with
bibliography on marine zoology of
this island off Mozambique.

the various phyla & classes
represented in the marine fauna are
considered. Keys are incl., in
particular for the classification of
the corals, the polychaetes & the
crustacea. Sp. lists of plants &
animals, & their localities on the
island.

59-7065
(Card 2)

FAO:sjh

II

:vmm

M

Isaac, W.E. (1959) 59-7064
S.Afr.J.Sci., 55:181-3
Comments on the seaweed flora and
vegetation of Inhaca

A short review, with reference to
distribution of the benthic algae,
marine angiosperms - Cymodocea,
Diplanthera, Halophila, Thalassia -
& of the 19 genera of siphonous
Chlorophyceae. Relation to flora of
U. South Africa & to distribution of
oyster, Crassostrea cucullata.

FAO:sjh

M

Miyata, K. & 59-7067
T. Shimomura (1959)
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
1-16

(On the transfers of low temperature
regions in the North Japan Sea, in
spring). Ni En

Analysis of yearly & seasonal changes
in sea conditions in the Japan Sea
north of Noto Peninsula.

FAO:glk

M

Macnane, W. & 59-7065
M. Kalk (Ed.) (1958)
Johannesburg, Witwatersrand Univ. Press.
146 p.
A natural history of Inhaca Island,
Mocambique

Various chapters written by different
authors; a detailed account of the
biology of Inhaca, in Delagoa Bay.
Geographic & oceanographic setting of
the island. Chapters on algae & their
ecology, with a comprehensive list of
known types & localities. The "sea
grasses"; marine zoology; account of
the general ecology of the shores;

Fukataki, H. (1959) 59-7068
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
17-42

(On the year round occurrence and
ecology of eggs and larvae of the
principal fishes in the Japan Sea - II.
Occurrence and distribution of eggs
and larvae of the saury in the
Tsushima Current region). Ni En

Eggs & larvae of fishes have been
collected by means of horizontal
towing of the fish-larvae net at the
surface, from April 1952 to March 1958
on the Tsushima Current region, at
8,366 stations in the active period.

59-7068
(Card 2)
Using these materials, the spawning seasons & grounds of the saury, Cololabis saira Brevoort, are described.

FAO:hf

M

Kato, A. & T. Shimomura (1959) 59-7072
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
67-83
(Some characteristics on the D.S.L. peculiar to the Japan Sea).
Ni En

Report of observations in 1956 & 1957, describing the peculiar figure seen & comparing the performance of various types of echo-sounders.

FAO:glk

M

Nagata, S. (1959) 59-7070
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
43-55
(Some results of the tagging experiments on yellowtails in the Japan Sea). Ni En

Study of the migration of the yellow-tail, Seriola quinqueradiata Temminck et Schlegel, in the Japan Sea using the data of the taggings during the period from 1955 to 1958.

FAO:sn

M

Shimomura, T. (1959) 59-7073
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
85-107
(On the unprecedented flourishing of "echizen-kurage", Stomolophus nomurai (Kishinouye), in the Tsushima warm current regions in autumn, 1958).
Ni En

Account of the growth of this medusa, the distribution of its swarms, size & other characteristics of the individuals, & the relations between appearance of these swarms & various environmental conditions, & fishing.
FAO:glk M

Machinaka, S. (1959) 59-7071
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
57-66
(Migration of the squid in the Japan Sea as studied by tagging experiments).
Ni En
Study of the migration of the squid, Ommastresphes sloani pacificus Steenstrup, in the Japan Sea using the data of taggings in the region during the period from 1950 to 1957.

FAO:sm

M

Shimomura, T. (1959) 59-7074
Bull.Jap.Sea reg.Fish.Res.Lab., (7):
109-18
(Effects of the typhoon "Ruth" (1951) upon the sea conditions and fishing).
Ni En

Description of the track of the typhoon, of the associated sea-conditions & of changes in fishing, apparently resulting from the effects of the typhoon.

FAO:glk

M

Donaldson, L.R., P.R. Olson 59-7075
& J.R. Donaldson (1959)
Trans.Amer.Fish.Soc., 88(1):4-6
The Fern Lake trace mineral metabolism
program

Total mineral need in the ecology of
the Fern Lake watershed is evaluated
by use of the techniques of the
radiation biologist. Using the combined
skills of the physical & biological
sciences it is hoped that great progress
can be made in improving the productive
capacity of this impoverished watershed.

GLK:lrd

F

Carlander, K.D. (1959) 59-7078
Trans.Amer.Fish.Soc., 88(1):18-22
A survey of technical fishery
personnel

Report of a mail survey, classifying
these people by jobs, employers,
academic training, age, membership in
the APS, & geographic distribution;
some account is given of the kinds of
work - administration, research, etc. -
carried out by persons in various types
of jobs.

GLK:glk

MF

Lambou, V.W. (1959) 59-7076
Trans.Amer.Fish.Soc., 88(1):7-15
Fish populations of backwater lakes in
Louisiana

Report of sampling of these populations
by rotenone poisoning, composition of
the populations, standing crops,
predator-prey relations, & the effects
of flood overflow on these populations.

GLK:glk

MF

Henderson, C., Q.H.Pickering 59-7079
& C.M. Tarzwell (1959)
Trans.Amer.Fish.Soc., 88(1):23-32
Relative toxicity of ten chlorinated
hydrocarbon insecticides to four
species of fish

Compounds tested & bioassay methods
described. toxicity to Lebistes,
Pimephales, Lepomis, Carassius spp. in
different dilution waters, & of
different formulations was tested;
comparison was made with organic
phosphorous insecticides, & estimate
was made of application rates that
may produce fish mortality.

GLK:glk

F

Swingle, H.S. (1959) 59-7077
Trans.Amer.Fish.Soc., 88(1):16-7
Careers in fisheries

Presidential address at the 88th
annual meeting of the American
Fisheries Society at Philadelphia,
Pennsylvania, September 8, 1958.

GLK:hss

MF

Witt, A., Jr. & 59-7080
H.S. Campbell (1959)
Trans.Amer.Fish.Soc., 88(1):33-5
Refinements of equipment and
procedures in electro-fishing

An electro-fishing device mounted on a
boat is described; difference in
efficiency between day & night use is
described; its selectivity among spp.
of fish is described.

GLK:glk

F

Crossman, E.J. & 59-7081
P.A. Larkin (1959)
Trans.Amer.Fish.Soc., 88(1):36-44
Yearling liberations and change of
food as effecting rainbow trout yield
in Paul Lake, British Columbia

Some effects of the introduction of
redside shiner, Richardsonius balteatus
Richardson, on the rainbow trout,
Salmo gairdneri Richardson, in Paul
Lake from 1952 to 1957 are considered
together with results of yearling trout
liberations since 1953.

GLK:ejc

F

Riggs, C.D. & 59-7084
K.E. Sneed (1959)
Trans.Amer.Fish.Soc., 88(1):53-7
The effects of controlled spawning
and genetic selection on the fish
culture of the future

The role of controlled spawning,
genetic selection & physiological
research in fish culture is discussed,
& emphasis is placed on the importance
of these approaches for the future.
A review of the literature is given.

GLK:cdr

F

Dolan, T., C.B. Wurtz 59-7082
& C.H. Bridges (1959)
Trans.Amer.Fish.Soc., 88(1):45-9
Survey of multiple-use reservoir
practices in the United States

Report of replies to questionnaires,
describing municipal practices in
permitting & controlling recreational
& other use of these reservoirs.

GLK:glk

F

Seymour, A. (1959) 59-7085
Trans.Amer.Fish.Soc., 88(1):58-69
Effects of temperature upon the
formation of vertebrae and fin rays
in young chinook salmon

Experiments in each of 3 successive
years were designed to observe the
effect of temperature upon chinook
salmon, Oncorhynchus tshawytsch
Walbaum, during the period from the
egg to the fingerling stage.
Experimental temperatures ranged from
34°F to 74°F but there were no
survivals to the stage where vertebrae
or fin rays could be counted for lots

Houser, A. & 59-7083
M.G. Bross (1959)
Trans.Amer.Fish.Soc., 88(1):50-2
Observations on growth and
reproduction of the paddlefish

Growth of Polyodon spathula & the
periodicity of its sexual maturation.

GLK:glk

F

59-7085
(Card 2)
reared at temperatures below 39°F
or above 62°F.

GLK:cas

F

Bailey, R.M. (1959) 59-7087
Trans.Amer.Fish.Soc., 88(1):70
How to know the freshwater fishes
Review of 581010.

Hoopes, D.T. (1959) 59-7090
Trans.Amer.Fish.Soc., 88(1):73
Dolly Varden trout with two adipose
fins
Report of this anomaly in Salvelinus
malma.

GLK: F

GLK: F

Whitney, A.N. & 59-7088
J.E. Bailey (1959)
Trans.Amer.Fish.Soc., 88(1):72-3
Detrimental effects of highway
construction on a Montana stream
Contents as per title.

Woodall, A.N. (1959) 59-7091
Progr.Fish-Cult., 21:51-4
The missing links of fish husbandry
Discussion of basic research required,
especially into nutrition & disease,
& of the need for pilot-plant &
quality-control programmes.

GLK:glk F

GLK:glk F

Dickie, L.M. (1959) 59-7089
Trans.Amer.Fish.Soc., 88(1):73
Water temperature and survival of
giant scallop
Effects of water temperature on
spawning & adult survival appear to
control abundance of the giant scallop,
Placopecten magellanicus Gmelin, in the
Gulf of St. Lawrence & to limit its
distribution there to a narrow depth
zone. Such effects probably explain the
limits of scallop distribution &
success throughout its geographic range.

Campbell, H.J. (1959) 59-7092
Progr.Fish-Cult., 21:55-62
Field testing rotary fish screens in
Northeastern Oregon

More than 200 rotary fish screens have
been installed in diversions in North-
Eastern Oregon to bypass salmon &
steelhead fingerlings back into
streams. Over a 5-year period, screens
were sampled continuously to determine
their effectiveness in bypassing
migrant fishes.

GLK:lmd M

GLK:hjc F

Regan, D. & 59-7093
A. Yaple (1959)
Progr.Fish-Cult., 21:62
Bypass to eliminate accumulated waste
when draining earthen ponds

Diagram & description.

GLK:glk

F

Dunbar, C.E. (1959) 59-7096
Progr.Fish-Cult., 21:74
Sunburn in fingerling rainbow trout

Brief note on tests in which rainbow
trout fingerlings were exposed to
sunlamps & germicidal lamps.

GLK:glk

F

Combs, B.D., R.E. Burrows 59-7094
& R.G. Bigej (1959)
Progr.Fish-Cult., 21:63-9
The effect of controlled light on the
maturation of adult blueback salmon

Results of the 3-year study to
determine the effect of controlled
light on the sexual maturation of
adult blueback salmon, Oncorhynchus
nerka.

GLK:glk

MF

Snow, J.R. (1959) 59-7097
Progr.Fish-Cult., 21:75-80
Notes on the propagation of the
flathead catfish, Pilodictis olivaris
(Rafinesque)

Description of spawning & of
development of the eggs with
suggestions for culture of this sp.

GLK:glk

F

Hulsey, A.H. & 59-7095
J. Stevenson (1959)
Progr.Fish-Cult., 21:70-4
Reclamation of Lake Hamilton,
Arkansas

Description of a fish-kill operation.

GLK:glk

F

Sneed, K.E. & 59-7098
C.E. Cozort (1959)
Progr.Fish-Cult., 21:80
An inexpensive experimental spiral
raceway

Description & photograph.

GLK:glk

F

Macklin, R. (1959) 59-7099
Progr. Fish-Cult., 21:81-5
An improved 150-gallon fish-planting
tank

Description, diagram & photographs,
& report of tests of it.

GLK:glk

Irwin, W.H. (1959) 59-7102
Progr. Fish-Cult., 21:89-90
Terramycin as a control for fin rot
in fishes

Brief report of experiments with
Hybognathus, Cambusia affinis,
Pimephales promelas.

GLK:glk

F

Anonymous (1959) 59-7100
Progr. Fish-Cult., 21:85
National Science Foundation's closing
date for receipt of basic research
proposals in the life sciences

GLK:ex

Heiliger, D.B. (1959) 59-7103
Progr. Fish-Cult., 21:90
Artificially fed largemouth bass
fingerlings

Contents as per title.

GLK:glk

F

Nielson, W.E. & 59-7101
J.J. Mazuranich (1959)
Progr. Fish-Cult., 21:86-8
Fry diets for chinook salmon

Results obtained with 7 different
diets used as starting diets for
chinook salmon fry.

GLK:wen

1 F

Chin, E. (1959) 59-7104
Progr. Fish-Cult., 21:91-3
An inexpensive re-circulating sea-
water system

Description & diagram.

GLK:glk

M

Anonymous (1959) 59-7105
Progr.Fish-Cult., 21:93
Trout-distribution map of the North
Island of New Zealand

GLK:x

Thompson, R.B. (1959) 59-7108
Progr.Fish-Cult., 21:96
Tricaine methanesulfonate (M.S. 222)
in transport of cutthroat trout

Report of a trial.

GLK:glk

F

Dobie, J. (1959) 59-7106
Progr.Fish-Cult., 21:94-5
Pond research and bait production in
Minnesota

Note on industrial operations
initiated & assisted by research.

GLK:glk

F

Yokote, M. (1958) 59-7109
Bull.Freshw.Fish.Res.Lab., Tokyo, 7(2)
1-7
Study on the ovarian eggs of Rhodeus
ocellatus

Presents macroscopical observations
on ovarian eggs in attempt to clarify
how eggs of this sp. change morpho-
logically to ripeness, & what process
ripened eggs trace until extrusion
within one sexual cycle.

FiB:wcb

F

Powell, D.E. (1959) 59-7107
Progr.Fish-Cult., 21:95-6
New shrimp fishery of the Pacific
Northwest

Note on the development of this
fishery as the result of systematic
exploratory fishing.

GLK:glk

M

Suginome, M. (1958) 59-7110
Bull.Freshw.Fish.Res.Lab., Tokyo, 7(2)
9-17
(Observation on the spawning of
Daphnia garinata King carrying the
origin of parthenogenetic eggs after
winter egg laying). Ni En

Continues study on process of
spawning.

FiB:wcb

F

Nakamura, K. et al. (1958) 59-7111
Bull. Freshw. Fish. Res. Lab., Tokyo, 7(2):19-44
 (An experiment of raising carp
 fingerling in farm pond, study in
 Gorobeioike). Ni En

Experiment in raising carp to
 fingerlings in 4-hectare farm pond,
 with information on stocking rate,
 hydrology, growth rates, feeding etc.

FiB:wcb

F

Herald, E.S. & 59-7114
 R.P. Dempster (1957)
Aquarium J., 28(10):2 p.
 Courting activity in the white-lined
 squirrel fish

Ill. description of breeding activity
 of Holocentrus xantherythrus.

FiB:wcb

M

Kimura, S. & 59-7112
 Y. Matida (1958)
Bull. Freshw. Fish. Res. Lab., Tokyo, 7(2):51-3
 Study on the toxicity of agricultural
 control chemicals in relation to
 freshwater fisheries management - No. 1.
 General summary of the studies on the
 toxicity of agricultural insecticides
 for freshwater fishes by means of the
 bio-assay method (Part I).

Summarizes toxicity of 11 insecticides
 to Cyprinus carpio, Carassius
carassius-cuvieri, Salmo irideus,
Misgurnus anguillicaudatus.

FiB:wcb

F

Okada, Y. & 59-7115
 S.S. Kubota (1957)
Rep. Fac. Fish. Univ. Mie-Tsu, 2(3):451-2
 Studies on the fish fauna at the
 southern vicinity of Tsu City, Mie
 Prefecture - Supplemental Note - I.

Notes on specimens of Liza haemato-
cheila & Eleotris pisonis oxycephala;
 extensions of range of Konosirus,
Acheilognathus & Shiganus spp.

FiB:sjh

MF

Hartman, W.L. (1958) 59-7113
N.Y. Fish Game J., 5(2):205-12
 Estimation of catch and related
 statistics of the stream rainbow trout
 fishery of the Finger Lakes region

Contents as per title.

FIAD:wcb

F

Chanin, G. & 59-7116
 R.P. Dempster (1958)
Industr. Wastes, Nov.-Dec., 4 p.
 A complex chemical waste and its
 toxicity to fish

Exploitation study of toxicity to
 juvenile Roccus saxatilis of waste
 from a chemical industry in an
 attempt to explain mass fish mortality
 in San Francisco Bay.

FiB:sjh

M

Walker, F.T. (1957) 59-7117
Trans.bot.Soc.Edinb., 37(3):182-99
 An ecological study of the Laminariaceae
 of Ailsa Craig, Holy Island,
 Inchmarnock, May Island, and Seaforth
 Island

Density cover & biomass of Laminaria
 spp. by depth of water & locality
 determined by quadrats during 1955-56.

GLK:sjh

M

Wheeler, A.C. (1958) 59-7120
Proc.zool.Soc.Lond., 130:253-6
 The identity of the British fish
Parviclinus spinosus

Re-examination of holotype of this
 clinid fish from Conway River, N.
 Wales - found lodged in oesophagus of
Spinachia spinachia -; author
 considers it identical with the
 Caribbean Stathmonotus (Auchenistius)
stahli. Suggests accidental
 introduction by a passing ship.

FAO:sjh

F

U.S. Department of the 59-7118
 Interior. Fish & Wildlife
 Service (1957)
Rep.Branch of Fishery Biology, 161 p.
 Annual report for fiscal year 1957
 (July 1, 1956 through June 30, 1957)

Last issue. Reports research
 activities under main headings: Inland
 Marine. Anadromous. Shell-fisheries,
 under each division by particular
 investigations. Lists publications &
 names of research personnel.

FiB:sjh

MF

Bone, Q. (1958) 59-7121
Proc.zool.Soc.Lond., 130:289-93
 The asymmetry of the larval amphioxus

Consideration of mode of feeding
 & mouth structure.

FAO:sjh

M

Bonner, W.N. (1958) 59-7119
Proc.zool.Soc.Lond., 130:241-52
 Notes on the southern fur seal in
 South Georgia

Ill. description of habitat,
 distribution, reproductive & family
 behaviour, population size, colour,
 food of Arctocephalus australis in
 Antarctic; inter-specific relations
 with Mirounga leonina, Hydrurga
leptonyx & scavenging birds.

FAO:sjh

M

Lowman, F.G., R.F. Palumbo 59-7122
 & D.J. South (1957)
Washington, D.C., 61 p.

The occurrence and distribution of
 radioactive non-fission products in
 plants and animals of the Pacific
 Proving Ground

Contains also data on the occurrence
 of radioactive products in different
 organs of marine animals & plants.
 Gamma spectrum curves are given.

FAO:tl

M

Stoianov, S. (1957) 59-7123
Trav.sci.Inst.Pêche, Varna, 1:7-28
 Niakoi nabliudeniia vurkhu palamuda,
 loven prez 1954 i 1955 g. pred
 bulgarskiia chernomorski briag
 (Some observations on the pelamid,
Sarda sarda Bloch, fished during 1954
 and 1955 off the Bulgarian coast).
 Fr Ru

Some notes on the biology & behaviour
 of schools of pelamid, giving size
 composition of the schools, growth,
 movements.

GLK:glk

M

Karapetkova, M. (1957) 59-7126
Trav.sci.Inst.Pêche, Varna, 1:55-8
 Rastezh na segoletkite na
 chernomorskiia kalkan (Rhombus
maeoticus Pallas) prez 1956 godina
 (Growth of the early stages of turbot,
R. maeoticus Pallas, in the year 1956).
 En Ru

Growth rate determined from
 otoliths.

GLK:glk

M

Ivanov, L.S. (1957) 59-7124
Trav.sci.Inst.Pêche, Varna, 1:31-42
 Teoretichesko izchisliavane na
 otseliavaneto ot stadiia khaiver do
 vuzrastna skumpiia (Theoretical
 calculation of the survival from egg
 stage to adult in scombroids). Ru

GLK:

MF

Aleksandrova, K. (1957) 59-7127
Trav.sci.Inst.Pêche, Varna, 1:61-76
 Rastezhut na kefala (Mugil cephalus L.)
 yuv vodite na bulgarskoto chernomorsko
 kraibrezhie (The growth of the
 grey mullet, Mugil cephalus L., of the
 Bulgarian Black Sea shores).
 En Ru

Growth determination by scales.

GLK:glk

MF

Martino, K. & 59-7125
 M. Karapetkova (1957)
Trav.sci.Inst.Pêche, Varna, 1:45-52
 Razpredelenie na kalkana prez purvite
 mesetsi na 1955 godina (The
 distribution of turbot during the first
 months of the year 1955). En Ru

Results of trawling operations
 relating to the distribution & density
 of these stocks, with calculation of
 the weight of the entire stock.

GLK:glk

M

Rusev, B. & 59-7128
 Iv. Dimov (1957)
Trav.sci.Inst.Pêche, Varna, 1:79-109
 Kachestveni i kolichestveni
 izsledvaniia na zooplanktona na
 varnenskiia zaliv (Qualitative
 and quantitative research on the zoo-
 plankton of Varna Bight). Ru De

Spp. & groups in the plankton & their
 distribution.

GLK:glk

M

Petrova, V.I. (1957) 59-7129
Trav.sci.Inst.Pêche, Varna, 1:111-24
 Planktonni dinoflagellata ot
 bulgarskoto chernomorsko kraibrezhie
 (Planktonic dinoflagellates off the
 Bulgarian Black Sea coast). Ru De

Distribution list.

GLK:glk

M

Rozhdestvenski, A.V. (1957) 59-7132
Trav.sci.Inst.Pêche, Varna, 1:201-4
 Sezonnite promeni na kolichestvoto na
 organichnoto veshtestvo v otkritite
 chernomorski vodi pred bulgarskiia
 briag (Seasonal fluctuation in the
 amount of organic material in the
 open Black Sea waters off the
 Bulgarian coast). Ru

Discussion of tables of values
 obtained for March, May, August &
 November.

GLK:glk

M

Rusev, B. (1957) 59-7130
Trav.sci.Inst.Pêche, Varna, 1:127-56
 Kachestveni i kolichestveni
 izsledvaniia na zooplanktona na
 varnenskoto ezero (Qualitative and
 quantitative research on the zoo-
 plankton of Varna Lake). Ru De

Composition of the plankton with
 account of seasonal & other
 fluctuations & measurement of biomass.

GLK:glk

MF

Rozhdestvenski, A.V. (1957) 59-7133
Trav.sci.Inst.Pêche, Varna, 1:207-12
 Dinamika na nitratite i fosfatite v
 otrkitite chernomorski vodi pred
 bulgarskaia briag (Dynamics of
 phosphates & nitrates in the open
 Black Sea waters off the Bulgarian
 coast). Ru

Discussion of tables of values
 obtained for March, May, August &
 November.

GLK:glk

M

Dimitrov, M. (1957) 59-7131
Trav.sci.Inst.Pêche, Varna, 1:159-97
 Khidrologichna i khidrobiologichna
 kharakteristika na iazovir "Al.
 Stamboliiski" (Hydrological and
 hydrobiological characteristics of the
 "Al. Stamboul" reservoir). Ru

Description of the reservoir, its
 physical & chemical features & its
 water masses, its zooplankton, benthos
 & ichthyofauna.

GLK:glk

F

Okada, Y. (1957) 59-7134
Rep.Fac.Fish.Univ.Mie-Tsu, 2(3):448-50
 Geographical distribution of bottom
 fishes in Japan

Comparison of the geographical
 distribution of the bottom-fish
 obtained at 4 fisheries
 extending from north to south in
 adjacent seas of Japan: Kushiro,
 Hokkaido; Kumanonada station off Mie
 Prefecture; Suruga Bay, situated off
 the central island of Honshu; & Kochi
 Prefecture of Shikoku.

FiB:yo

M

Picotti, M. (1957) 59-7135
Boll. Pesca Piscic. Idrobiol., 12:121-3
 Relazione sull'attività dell'Istituto
 Sperimentale Talassografico di Trieste
 per l'anno 1957 (Account of the
 activity of the Institute of
 Experimental Thalassography of Trieste
 for the year 1957)

Building, equipment, research,
 publications.

FAO:glk

K

Sommani, E. (1957) 59-7138
Boll. Pesca Piscic. Idrobiol., 12:212-31
 Limnologia dei laghi artificiali - VI.
 Osservazioni conclusive (Limnology
 of artificial lakes - VI. Concluding
 observations). En Fr

Observations on morphology,
 hydrological regime, principal
 chemical & physical aspects, &
 biological characteristics, compared
 with natural lakes.

FAO:glk

F

Maldura, C. (1957) 59-7136
Boll. Pesca Piscic. Idrobiol., 12:124-5
 Relazione sull'attività del Laboratorio
 Centrale di Idrobiologia durante l'anno
 1957 (Account of the activity of
 the Central Hydrobiological Institute
 during the year 1957)

Contents as per title.

FAO:glk

MF

Scuderi, I. (1957) 59-7139
Boll. Pesca Piscic. Idrobiol., 12:232-64
 Sui caratteri morfologici
 dell'Engraulis del "Lago Verde"
 On the morphological characteristics
 of Engraulis in the "Lago Verde").
 En Fr

Morphological & some anatomical
 characters of a particular form of
Engraulis, living in "Lago Verde", a
 brackish marine pond on the Tyrrhenian
 coast of Sicily near Olivero, were
 examined. 110 specimens were observed,
 63 ♂♂ & 47 ♀♀ & observations of the
 eggs & reproductive period were made.
 FAO:is MF

Picotti, M. (1957) 59-7137
Boll. Pesca Piscic. Idrobiol., 12:126-58
 Ricerche nel Lago di Orta
 (Researches on Orta Lake).
 En Fr De

Physical & chemical characteristics of
 the lake, studied with a view to
 assessing the consequences of industrial
 pollution.

FAO:glk

F

Giannotti, F.S. & 59-7140
 M.V. di Giovanni (1957)
Boll. Pesca Piscic. Idrobiol., 12:265-98
 Il carico biologico convogliato dalle
 acque delle Fonti del Clitunno
 (The biological load carried by the
 water from the Fountains of Clitumnus).
 En Fr De

Physiographic account of the fountains,
 chemistry & physics; the general
 character of the phyto- & zoo-biota of
 the water, & its seasonal variation.

FAO glk

F

Cianficconi, F. & 59-7141
 M. Riatti (1957)
Boll. Pesca Piscic. Idrobiol., 12:299-334
 Impiego di pietre artificiali per
 l'analisi quantitativa delle colonizza-
 zioni faunistiche dei fondi potamici
 (The use of artificial stones in the
 quantitative analysis of faunistic
 colonisation of potamic bottoms).
 En Fr De

Description of the methods of study &
 account of observations on rheic
 behaviour of organisms & on the speed
 with which they colonised the stones
 under various conditions of current
 speed.

FAO:glk

F

U.K. White Fish 59-7142
 Authority (n.d.)
Plaistow, Curwen Press Ltd., 44 p.
 The white fish industry

Popular account, describing the fish
 taken by the industry, the composition
 & size of its catch, its methods of
 fishing, grounds & vessels, scientific
 problems of its resources, the
 machinery & equipment of a trawler,
 distribution, selling, preservation &
 processing of the catch, research on
 the products, production & distribution
 costs, nutritional value of fish, &
 giving a bibliography.

PiB:glk

M

Robins, J.P. (1958) 59-7143
Rep. Div. Fish. Oceanogr. C.S.I.R.O., (22).
 5 p.
 F.R.V. MARELDA - Scientific report of
 cruises July 1957 - May 1958

Note on the vessel, presentation of
 results of hydrological work as a
 series of diagrams of sections;
 correlation of tuna distribution & water
 mass type; length frequencies of
 southern bluefin tuna.

FAO:glk

M

Jebsen, J.W. & 59-7144
 G. Hamoir (1958)
Acta chem. Scand., 12:1851-68
 Electrophoretic and ultracentrifugal
 study of plaice myogen

Protein composition of water
 extracts of Pleuronectes platessa.

PiB:sjh

M

Gopalakrishnan, V. (1957). 59-7145
J. Timber Dryers' Preserv. Ass. India,
 3(4):9-12

Notes on damage caused to timber by
Sphaeroma and Martesia in Cochin
 Harbour

Observations on wood-boring organisms
 from the wooden hulls of ships coming
 from Cochin Harbour recorded. 2 spp.
 of Sphaeroma were mainly responsible
 for the damage caused. Specimens of
Martesia striata were also collected.
 Details of burrows produced by
Sphaeroma are given.

TL:vg

M

Iyengar, S.R., V.G. Krishnan 59-7146
 & V.V. Kelkar (1957).
Defence Sci. J., Oct., 5-17
 Studies on marine fouling organisms
 in Bombay Harbour

Reports studies with immersed non-
 toxic test panels, 1953-56; relation
 of settlement to water salinity &
 temperature, & to season. Spp. of
 fouling organisms; special
 significance of cirripedes.

TL:sjh

M

Zinov'eva, E.G. (1958) 59-7147
C.R.Acad.Sci.U.R.S.S., 121:80-3
 O prichinakh gibeli infuzorii pod
 deystviem rentgenovskikh luchei
 (Causes of death in infusorians under
 the influence of X-rays)

Annotation to follow.

FAO:

F

Chittleborough, R.G. (1959) 59-7150
Aust.J.Mar.Freshw.Res., 10(2):125-43
 Determination of age in the humpback
 whale, Megaptera nodosa (Bonnaterre)

The use of baleen, ear plugs, &
 ovaries in the determination of age is
 described. From evidence of baleen,
 majority reach puberty at 4 or 5 years.
 Rate of accumulation of laminations in
 ear plugs is 2 per year; mean rate of
 ovulation in sexually mature females
 is 1.1 per year. (Annot. from proof).

FiBrge

M

Raikov, I.B. (1958) 59-7148
C.R.Acad.Sci.U.R.S.S., 121:1079-82
 Tsitokhimicheskie osobennosti
 iadernogo apparata ravnoresnichnykh
Loxodes striatus i L. magnus
 (Special cytochemical features of the
 nuclear apparatus of the isociliary
 infusoria Loxodes striatus and L.
magnus)

Annotation to follow.

FAO:

F

Thomson, J.M. (1959) 59-7151
Aust.J.Mar.Freshw.Res., 10(2):144-9
 The naturalization of the Pacific
 oyster in Australia

Crassostrea gigas Thunberg, has been
 successfully transplanted from Japan
 to southern Australia. Mortality was
 heavy amongst those transported by
 ship, but negligible amongst those
 brought in by air. Rate of growth has
 been greater than that of native
 oysters. Successful spatfalls have
 occurred in Port Sorell for 3
 successive seasons. (Annot. from proof)

FiB:jmt

M

Seravin, L.M. (1958) 59-7149
C.R.Acad.Sci.U.R.S.S., 121:1090-2
 izmeneniia rezistentnosti v protsesse
 adaptatsii k soli CaCl_2 , NaCl i KCl
 (Changes of resistance of
Paramecium caudatum in the
 course of adaptation
 to CaCl_2 , NaCl and KCl)

Annotation to follow.

FAO:

F

Olsen, A.M. (1959) 59-7152
Aust.J.Mar.Freshw.Res., 10(2):150-76
 The status of the school shark fishery
 in South-Eastern Australian waters

Reviews catch statistics for
Galeorhinus australis, results of
 tagging experiments, catch per hook,
 fecundity, maturity, growth,
 evidence of depletion, proposed
 conservation measures. (Annot. from
 proof).

FiB:sjh

M

Laserson, C.F. (1959) 59-7153
Aust. J. Mar. Freshw. Res., 10(5) 177-267
 The family Pyramidellidae (Mollusca)
 from Northern Australia

Area incl. the Solanderian
 zoogeographical province, & part of
 the Dampierian province. All spp.,
 whether previously described or now
 proposed as new, are figured &
 discussed. Classification &
 distribution; key to subfamilies &
 genera; description of spp.; new
 genera; list of spp. (Annot. from
 proof).

PiB:cfl

M

Pearsall, W.H. (1959) 59-7156
New Biol., (29) 95-101
 The ecology of invasion. Ecological
 stability and instability

Essay review of 582209, drawing
 attention to Elton's emphasis on the
 importance of population & spp.
 diversity in producing an eco-system
 stable against invasion.

SJH:glk

MF

Chaloner, W.G. (1959) 59-7154
New Biol., (29) 7-30
 Continental drift

Statement of hypotheses & review of
 geological evidence of drift, climatic
 change & polar movement, & of the
 evidence from biology & rock
 magnetism for its occurrence.

SJH:glk

MF

Cragg, J.B. (1959) 59-7157
New Biol., (29) 102-23
 Biological studies in the Antarctic
 regions

Deals chiefly with terrestrial life
 but has reference to the Antarctic
 convergence & the importance of marine
 plant & animal life.

SJH:glk

M

Fogg, G.E. (1959) 59-7155
New Biol., (29) 31-48
 Dissolved organic matter in oceans
 and lakes

The amounts, chemical nature, origin
 & nutritional importance of these
 substances, the existence of ectorine
 substances, & the presence of complex-
 forming substances.

SJH:glk

MF

Gurzęda, A. (1957) 59-7158
Roczn. Nauk rol., 72:183-97
 Analiza wzrostu karpi w stawach na
 podstawie połowów kontrolnych
 (An analysis of the growth of carp in
 ponds on the basis of control catches).
 En Ru

Presents an analysis of the growth
 of 2 year old carp from 3 Polish
 ponds over 2 seasons.

FAC:web

F

Czubak, W. (1957) 59-7159
Roczn.Nauk rol., 72:199-241
 Właściwy stosunek odżywczy w paszy dla
 karpia (The proper nutritional
 ratio in the feed of carp). En Ru

On basis of feeding experiments
 evaluation tables are presented for
 several feeds.

FAO:wcb F

Wodek, S. (1957) 59-7162
Roczn.Nauk rol., 72:327-68
 Nawożenie organiczne stawów
 karpia (Organic
 fertilization of fingerling ponds -
 Preliminary investigations).
 En Ru

Investigations were conducted on the
 influence of barnyard manure & green
 fertilization on the development of
 water organisms & on fishery
 production in fingerling ponds.

FAO:wcb F

Przewłocki, K. (1957) 59-7160
Roczn.Nauk rol., 72:243-53
 Obserwacje fizycznych i chemicznych
 warunków na karmiskach w stawach
 karpowych (Observations on
 physical and chemical conditions of
 feeding grounds in carp ponds).
 En Ru

Discusses the effect of feed given
 to carp in ponds on the water
 environment.

FAO:wcb F

Danielowski, S. (1957) 59-7163
Roczn.Nauk rol., 72:369-84
 Badania nad wpływem mineralnego
 nawożenia azotowego na niektóre
 czynniki środowiska wodnego
 (Investigations on the influence of
 mineral nitrogenous fertilization on
 some factors of the water environment).
 En Ru

Tests were conducted on mineral
 fertilization of water with calcium
 nitrate.

FAO:wcb F

Wieniawski, J. (1957) 59-7161
Roczn.Nauk rol., 72:255-325
 Poszukiwanie przyczyn zimowych strat
 narybku karpia w stawach (Searching
 for the causes of winter losses in
 carp fry in ponds). En Ru

Discusses the influence of the
 physical, chemical, biological
 factors on carp fry in the winter
 period.

FAO:wcb F

Madras. Department of 59-7164
 Fisheries (1958)
AS. Dr. Fish. Madras, 1958-59, 233 p.

Reports on biological & technological
 research, technical assistance
 projects & long-term development
 plans; participation in meetings &
 congresses, socio-economic &
 statistical activities. 63 appendices
 give statistics, bibliographies,
 names of fishes & of water areas etc.

FAO:sjh MF

Venkatraman, R. & S.T. Chari (1957)
Indian J.med.Res., 45
 Amino-acid composition of some marine fishes

59-7165

Rotschi, H. (1958)
Rapp.sci.Inst.franc.Océanie, (8):64 p.
 ORSOM III - Résultats de la croisière
 ASTROLABE. I^o partie. Océanographie
 physique (ORSOM III - Results of
 the cruise ASTROLABE. I Part.
 Physical oceanography)

59-7168

Temperature, salinity & sigma-t data
 are given in a series of tables &
 diagrams. Methods of work are
 described.

Chari, S.T. & R. Venkatraman (1957)
Indian J.med.Res., 45:
 Semi-drying of prawns and its effect on
 the amino acid composition

59-7166

Wilkinson, L. (1959)
N.Z.J.Sci., 2:196-207
 Sampling of tidal waters

59-7169

Investigation of the effect of
 monthly & twice-daily changes in the
 tides on the composition of the tidal
 waters of 2 low-lying rivers in New
 Zealand, flowing into a common
 estuary with a narrow outlet to the
 sea. In assessing degree of pollution,
 the mean of a few low-water samples
 the mean of a large number of
 samples taken at all stages of the
 tide had virtually the same
 significance.

FAO:lw

MF

Rotschi, H. (1958)
Rapp.sci.Inst.franc.Océanie, (7):20 p.
 Résultats des observations scientifiques
 du "Tiare" croisière BOUNTY sous le
 commandement du lieutenant de vaisseau
 Morlanne - 20-29 juin 1958 (Results
 of scientific observations of the "Tiare"
 cruise BOUNTY under command of Lt.
 Morlanne.- 20-29 June 1958)

59-7167

Contains comments on methods, chart of
 stations, & temperature, salinity &
 sigma-t data given in a series of
 tables & diagrams.

GLK:hr

M

Mauchline, J. (1958)
Thesis, Univ. Glasgow, U.K.,
 Contributions to the biology of the
 crustacean euphausiid, Meganyctiphanes
norvegica (M.Sars)

59-7170

Anatomy, histology; egg development;
 vertical migrations; feeding methods,
 morphometry; seasonal movements
 within Clyde Sea area.

103h

M

FAO (1959) 59-7171
Yearb. Fish. Statist. F.A.O., 8(1957):

Tables of imports & exports, by spp.
groups, countries, commodity.

GLK:sjh

MF

IPFC (1959) 59-7174
Curr. Aff. Bull., Bangkok, (24): 51 p.

Briefly reports activities of IPFC
& of its committees & officers, &
important current fisheries
developments in both member countries
& other parts of the world, as known
to date of issue, April 1959; lists
references & annotates some recent
publications of interest to fisheries
workers in the Indo-Pacific region.
This issue contains articles on
fishing boats & on gillnets.

SJH:sjh

I

Batchelor, J.H. (1959) 59-7172
St. Louis Univ. Press, Missouri, 865 p.
Operations research - An annotated
bibliography

Greatly expanded revision of
bibliography published in 1952 by Case
Institute of Technology, Ohio. 4195
annotated references in alphabetical
order of authors' names. Subject index;
some, but very few examples of
fisheries studies, none later than 1953.

FAO:sjh

G

Schultz, L.P. (1959) 59-7175
Science, 130:93-4
Fishes of the Great Lakes region.

Critical review of 59-6716.

FAO:

F

Morris, V.B. (1957) 59-7173
Thesis, Univ. Edinburgh
Studies on the light response of the
ammocoete larva of Lampetra planeri
(Bloch) and Lampetra fluviatilis (Linn)

M

Therson, W.D. (1959) 59-7176
Science, 130:99-100
Partitioning of body water in sea
lamprey

Measurements were made of the
partitioning of total body water in
the sea lamprey, Petromyzon marinus,
between intracellular & extracellular
compartments & the division of the
latter into interstitial fluid &
plasma. Comparison is made with
elasmobranchs & more advanced
teleosts.

FAO:tbt

MF

Hess, E.H. (1959)
Science, 130:133-41
Imprinting

59-7177

History of the concept of imprinting & description of experiments to determine the 'critical period' for its establishment, the conditions under which it is effected & which determine its intensity & aspects of its nature; discussion of its relation with innate behaviour patterns & learning.

FAO:glk

MF

Clark, E. (1959)
Science, 130:217-8

59-7180

Instrumental conditioning of lemon sharks

2 sharks were trained to feed at a target which, when pressed, caused a submerged bell to ring. Later they were trained to press the target for remotely placed food. They retained this conditioned response after a 10-week period of inactivity.

FAO:ec

M

Shepard, F.P. (1959)
Science, 130:141-9
Marine sediments

59-7178

Account of research on recent sediments & discussion of the evidence they furnish on the conditions under which sedimentary rocks have been formed.

FAO:glk

M

Ericson, D.B. (1959)
Science, 130:219-20

59-7181

Coiling direction of Globigerina pachyderma as a climatic index

An interdependence between the geographical distribution of dextral & sinistral populations of the planktonic foraminifer, G. pachyderma, & sea surface-temperatures is demonstrated. It is inferred that changes in dominant coiling direction at lower levels in sediment cores from the North Atlantic record southward shifts of isotherms during the last ice age.

FAO:dbc

M

Borchert, H. (1959)
Berlin, Borntraeger, 237 p.
Ozeane Salzlagerstätten - Grundzüge der Entstehung und Metamorphose ozeaner Salzlagerstätten sowie des Gebirgsverhaltens von Salzgesteinsmassen
(Treatise on the origin and metamorphosis of marine salt deposits and on the correlation to mountain farming salt beds)

59-7179

M

UGGI (1959)
Chron.U.G.G.I., (19):65-96

59-7182

Contains list of scientific papers presented at the meeting of IAPG in Toronto during the general assembly of IUGG in 1957.

FAO:tl

M

Forrester, W.D. (1958) 59-7183
Ottawa, 73 p.
Current measurements in Passamaquoddy Bay and the Bay of Fundy, 1957 and 1958

Tabular & graphic presentation of tidal stream & residual current at the anchor stations in Passamaquoddy Bay & the Bay of Fundy.

GLK:tl

M

Li, P. (1959) 59-7186
Acta zool.sinica, 11(1):49-56
(Variations of the sex-ratio and differential mortality in the goldfish, Carassius auratus). Ch En

Comparison of sex ratios in wild samples from near lekin, & in aquarium bred stocks showed seasonal & age variations. Sexual differences in growth rate.

FAO:glk

F

Shen, C.-J. & 59-7184
H.-L. Li (1959)
Acta zool.sinica, 11(1):12-23
(Parasitic copepods from fishes of China - IV. Caligoida, Caligidae (3)).
Ch En

Description of the new spp. Caligus undulatus & C. costatus.

FAO:glk

M

Atz, J.W. & 59-7187
G.E. Pickford (1959)
Endeavour, 18:125-9
The use of pituitary hormones in fish culture

An ill. review of the history of domestication of fish, & particularly of induction of spawning in many fresh-water spp. Detailed mention of work on sturgeons & Indian carps & catfishes.

GLK:sjh

MF

Li, P. (1959) 59-7185
Acta zool.sinica, 11(1):42-3
(The influence of prolonged starvation upon the sex-ratio in the goldfish, Carassius auratus). Ch En

5 month rearing experiments, 7-11/57, showed differential mortality. Gonad of one male had several testes-ova like primary oocyte of a normal female.

FAO:glk

F

Jones, J.W. (1959) 59-7188
New Scient., 6:122-3
The spawning behaviour of the salmon

Brief account of the life-history of the salmon, detailed account of reproductive behaviour, & description of research, with ill.

FAO:glk

F

Namias, J. (1959) 59-7189
J.geophys.Res., 64:631-46
Recent seasonal interactions between
North Pacific waters and the over-
lying atmospheric circulation

The recent pronounced anomalous
warming of surface waters of the
eastern North Pacific is related to
prevailing abnormalities in the over-
lying atmospheric circulation.

GLK:jn

M

Djerfnes, J.A.B. (1959) 59-7192
J.geophys.Res., 64:689
North Atlantic sea surface
temperatures and atmospheric
circulation

Abstr. of paper presented at the
Pacific Southwest Regional Meeting of
the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK

M

Tyler, J.E., W.H. 59-7190
Richardson & R.W. Holmes (1959)
J.geophys.Res., 64:667-73
Method for obtaining the optical
properties of large bodies of water

Equipment for obtaining the important
optical properties of large bodies
of water is described & a method for
computing six optical properties
from measurements of radiance
distribution is given.

GLK:jet

M

Brooks, N.H. (1959) 59-7193
J.geophys.Res., 64:689
Lateral diffusion of mass in a
steady current in the ocean or
atmosphere

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Abraham, G. (1959) 59-7191
J.geophys.Res., 64:689
Water gravity waves generated by a
moving circular low pressure area

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
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Stanford, California, Feb. 5-6, 1959.

GLK:

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Hill, R.A. (1959) 59-7194
J.geophys.Res., 64:690
Inflow to Lake Titicaca

Abstr. of paper presented at the
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GLK:

F

LaFond, E.C. (1959) 59-7195
J.geophys.Res., 64:691
Sea-surface slicks off Mission Beach

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Reid, J.L., Jr. (1959) 59-7198
J.geophys.Res., 64:693
Evidence of the existence of a South
Equatorial countercurrent in the
Pacific

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Little, E.M. (1959) 59-7196
J.geophys.Res., 64:692
Fluid permeability profile of sea-ice
as a good index of its condition

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Saur, J.F.T. & 59-7199
L.E. Eber (1959)
J.geophys.Res., 64:694
On the preparation and significance
of monthly mean sea-surface
temperature charts of the North
Pacific Ocean

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
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Stanford, California, Feb. 5-6, 1959.

GLK:

M

Miller, D.J. (1959) 59-7197
J.geophys.Res., 64:692
Giant waves in Lituya Bay, Alaska

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Thompson, W.C. (1959) 59-7200
J.geophys.Res., 64:694
Modifications to the application of
the Pierson-Neumann theory in the
forecasting of ocean swell

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
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GLK:

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J.geophys.Res., 64:631-46
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prevailing abnormalities in the over-
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J.geophys.Res., 64:689
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J.geophys.Res., 64:667-73
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GLK:jet

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J.geophys.Res., 64:689
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steady current in the ocean or
atmosphere

Abstr. of paper presented at the
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Stanford, California, Feb. 5-6, 1959.

GLK:

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Abraham, G. (1959) 59-7191
J.geophys.Res., 64:689
Water gravity waves generated by a
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Saur, J.F.T. & 59-7199
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J.geophys.Res., 64:692
Giant waves in Lituya Bay, Alaska

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Thompson, W.C. (1959) 59-7200
J.geophys.Res., 64:694
Modifications to the application of
the Pierson-Neumann theory in the
forecasting of ocean swell

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Tyler, J.E. (1959) 59-7201
J.geophys.Res., 64:694
The directional distribution of
natural light at various depths under
water

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

MF

Anonymous (1959) 59-7204
New Scient., 6:233
A dissolving wire

Note on method of protecting ships'
hulls from corrosion by trailing
aluminium wire cathode.

FAO:sjh

M

Tyler, J.E. (1959) 59-7202
J.geophys.Res., 64:694
Some current hydro-optical research
in the USSR

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK:

MF

Laughton, A.S. (1959) 59-7205
New Scient., 6:237-40
The sea floor

Ill. article on sounding & survey
methods, underwater photography,
physical features & topography of the
bottom.

FAO:sjh

M

Wickham, J.B., J. Blondin 59-7203
& J. Negele (1959)
J.geophys.Res., 64:695
Some ocean wave spectra at Davenport,
California

Abstr. of paper presented at the
Pacific Southwest Regional Meeting
of the American Geophysical Union,
Stanford, California, Feb. 5-6, 1959.

GLK

M

Falconer, D.S. (1959) 59-7206
New Scient., 6:250
Spawning behaviour of the salmon

Letter referring to 59-7188 &
criticizing the conclusions of the
latter.

FAO:sjh

MF

Jones, J.W. (1959) 59-7207
New Scient., 6:250
 Spawning behaviour of the salmon
 Reply to 59-7206.

FAO:sjh

MF

Hansen, P. (1959) 59-7210
Dansk FiskTid., 77:145-6
 De fiskeribiologiske undersøgelser i
 de grønlandske farvande (The
 fisheries biological investigation in
 Greenland waters)

Review of Danish investigations in the
 sea areas around Greenland during
 1958 & prognoses on the future cod
 fishery in this area.

FAO:tl

M

Reynolds, E.S. & 59-7208
 S.P. Meyers (1959)
Science, 130:4
 Marine fungi and Limnoria
 Criticism of 59-2514.

FAO:sjh

M

Anonymous (1959) 59-7211
Dansk FiskTid., 77:229-30
 Undersøgelserne i havet ved Faerøerne
 og i nordlige havområder
 (Investigations in the seas around
 Faerøers and in the northern sea
 areas)

Review of Danish hydrographical &
 fisheries investigations during 1958
 & notes on international herring
 investigations.

FAO:tl

M

Ray, D.L. & 59-7209
 D.E. Stuntz (1959)
Science, 130:46-7
/Letter/
 Answer to 59-7208.

FAO:sjh

M

Anonymous (1959) 59-7212
Dansk FiskTid., 77:231-2
 Faerøernes nye fiskerigrænse
 (The new fishery boundaries of the
 Faeroes)

Review of Danish-British agreement
 on the fishery boundaries around
 Faeroes Islands.

FAO:tl

M

Finger, G.L. & 59-7213
P.E. Fields (1957)
Tech.Rep.U.Wash.Sch.Fish., (34):25 p.
The role of light adaptation on
negative phototaxis in salmon
(Oncorhynchus kisutch)

PA 33(1)511.

MF

Wald, G. (1957) 59-7216
J.gen.Physiol., 40:901-14
The metamorphosis of visual systems
in the sea lamprey

PA 33(2)3016.

MF

Johnson, D.E. & 59-7214
P.E. Fields (1957)
Tech.Rep.U.Wash.Sch.Fish., (35):56 p.
The application of certain
conditioning and handling techniques
to the guidance of downstream migrant
salmon

PA 33(1)526.

MF

Wodinsky, J. & 59-7217
M.E. Bitterman (1957)
Amer.J.Psychol., 70:569-76
Discrimination-reversal in the fish

PA 33(2)3237.

MF

Otis, L.S., J.A. Cerf 59-7215
& G.J. Thomas (1957)
Science, 126:263-4
Conditioned inhibition of respiration
and heart rate in the goldfish

PA 33(1)547. An apparatus & procedure
for inducing conditioned inhibition of
breathing rate & heart rate in
Carassius auratus is reported.
Typical results are presented in a
figure.

FAO:pa

F

Mountcastle, V.B. (1958) 59-7218
Annu.Rev.Physiol., 20:471-508
Somatic functions of the nervous
system

PA 33(3)5235.

MF

Forbes, A. et al. (1958) 59-7219
J.Neurophysiol., 21:247-62
Electroretinogram of fresh-water
turtles: quantitative responses to
color shift

PA 33(3)5341.

F

King, J.A. (1958) 59-7222
Psychol.Bull., 55:46-58
Parameters relevant to determining
the effects of early experience upon
the adult behaviour of animals

PA 33(3)5456.

MP

Cerf, F.R. (1957) 59-7220
Bull.Group franc.Rorschach, (9):15-9
Les animaux de la Planche VIII
(The animals of "Planche VIII")

PA 33(3)5431.

MP

Kasprzyk, Z. & 59-7223
H. Calvin (1959)
Proc.nat.Acad.Sci.U.S., 45:952-9
Search for unstable CO₂ fixation
products in algae using low
temperature liquid scintillators

Experiments with Scenedesmus to learn
more of the unstably bound CO₂, using
a combustion method.

FAO:sjh

FG

Johnson, D.E. (1958) 59-7221
Dissert.Abstr., 18:1507-8
The application of certain conditioning
and handling techniques to the
guidance of downstream migrant salmon

PA 33(3)5455. See 59-7214.

F

Libby, W.F. (1959) 59-7224
Proc.nat.Acad.Sci.U.S., 45:959-76
Radioactive fallout particularly
from the Russian October series

Takes account of some measurements
taken at sea.

FAO:sjh

F

Bilton, T.H., M.P. Shepard 59-7225
& D.W. Jenkinson (1959)
Circ.biol.Sta.Nanaimo, (52):6 p.
Sampling of 1958 B.C. salmon catches
and escapements for age and sex
composition

Results of sockeye sampling in
British Columbia.

FAO:sjh

MF

Anonymous (1959) 59-7228
Trade News, 11(12):7-9
North Pacific fisheries problems

Short reports on INPFC activity &
of 2nd Conference on Co-ordination of
Fisheries Regulations, Vancouver,
April 1959 - U.S. & Canada.

FiB:sjh

MF

MacPhail, J.S. & 59-7226
J.C. Medcof (1959)
Trade News, 11(12):3-6
Ocean quahaug explorations

Prospecting for Arctica islandica
in Northumberland Strait, using a
hydraulic dredge.

FiB:sjh

II

Anonymous (1959) 59-7229
Trade News, 11(12):10-1, 15
Lamprey control encouraging

Note on review of problem presented
to GLFC, Ottawa, April 1959.

FiB:sjh

MF

Anonymous (1959) 59-7227
Trade News, 11(12):6
Completion of oyster transfer.

Final phase of 3-year project,
sponsored by the Department of
Fisheries of Canada, for the transfer
of 10,000 barrels of disease-
resistant Prince Edward Island
oysters to rehabilitate stocks in
New Brunswick & Nova Scotia.

FiB a

II

Anonymous (1959) 59-7230
Trade News, 11(12):15
Lake Erie experiments

Commercial fishing methods generally
used in Canada's coastal & deep sea
fishing operations are to be tried in
Lake Erie early this summer by the
federal Department of Fisheries. The
testing of the gear is part of the
expanded technical development
programme of the Department's
Industrial Development Service. The
types of gear which will be tried are
the midwater trawl, purse seine,
Danish seine & bottom trawl.

FiB:a

F

Black, W.A. (1959) 59-7231
Ottawa, Dep. Mines & tech. Surveys
Gulf of St. Lawrence ice survey,
winter 1957

Reports an aerial survey of ice conditions during February & March 1957, a continuation of the survey undertaken during the winter of 1956. The primary purpose was to observe & map the coverage & distribution of the various types of ice & to observe the general movements of the ice. Conducted by the Geographical Branch of the Department of Mines & Technical Surveys & the Royal Canadian Air Force,

Jitts, H.R. (1959) 59-7234
Tech. Pap. Div. Fish. C.C.I.R.C., (6):26 p.
Measurements of light penetration in the Tasman Sea, 1955-57

Detailed tabulation of observations & discussion of diurnal & annual variations.

TAC glk

M

59-7231
(Card 2)
& co-ordinated by the Geophysical Research Section of the Defense Research Board. The Royal Canadian Navy & the Atlantic Oceanographic Group collaborated in the project.

:wab

MF

Norway. Committee for 59-7235
Whaling Statistics (1959)
Int. Thal. Statist., (41):85 p.

Introductory review of statistics for 1956-57, followed by tables of catches & effort by country, area, spp., sex & size, oil production; measurement of foetuses.

TAC sjh

II

Black, W.A. (1959) 59-7233
Ottawa, Dep. Mines & tech. Surveys
A report on sea ice conditions in the eastern Arctic, summer 1958

Result of the 3rd ice reconnaissance survey of the eastern Arctic, carried out during summer 1958, provides a picture of the nature, conditions & distribution of the ice encountered by Canadian Government ships. The purpose is to record the special problems that ice presents to ships in Canada's Eastern Arctic waters.

:wab

M

Norway. Committee for 59-7236
Whaling Statistics (1959)
Int. Thal. Statist., (42):56 p.

Introductory review of statistics for 1957-58, followed by tables of catches & effort by country, area, spp., sex & size; oil production; measurement of foetuses.

TAC sjh

II

IHB (1959) 59-7237
Int.hydr.Bull., (7):208-32

Contains notes on the activities of the Bureau & information on charts, sailing directions, lights, tides & currents, work carried out & projected & new charts & new editions of charts.

FAO:glk

M

"Pekoe" (1959) 59-7240
World Fish., 8(3):69-73
The wheel has turned

Observations on the results of the 1958 herring fishery season.

FAO:glk

M

Craig, R.E. (1959) 59-7238
World Fish., 8(3):46-7

Narrow beam echo sounder on trial - standard machine adapted on EXPLORER

Brief note on the equipment & results obtained with it.

FAO:glk

M

Hepher, B. (1959) 59-7241
Bamidgeh, 11(1):3-22

Chemical fluctuations of the water of fertilized and unfertilized fishponds in a subtropical climate. En Iw

Reports observations at Dor Fish Culture Research Station, Israel, 1953-56.

FiB:sjh

F

Anonymous (1959) 59-7239
World Fish., 8(3):48-50

MARA is well fitted for her research tasks

Brief note describing the vessel, her equipment & fishing gear performance.

FAO:glk

M

Ben-Ari, A. (1959) 59-7242
Bamidgeh, 11(1):23-5

The problem of "wild" spawning and its use in the carp ponds. En Iw

A note concerning Cyprinus carpio culture.

FiB:sjh

F

Pruginin, J. & 59-7243
A. Ben-Ari (1959)
Bamidgeh, 11(1):25-8
Instructions for the construction
and repair of fish ponds. En Iw

A brief outline of suitable
specifications for ponds in Israel.

FiB:sjh

F

Holt, S.J. (1959) 59-7246
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/2
The use of fishery statistics by
research biologists

FiB:

M

Pruginin, J. (1959) 59-7244
Bamidgeh, 11(1):28-30
Rentability of chemical weed control
in drainage canals. En Iw

Experiments comparing costs, in
Israel of eradicating Phragmites
communis & other plants by hand
weeding & by use of dalapon & 2.4-D
ester.

FiB:sjh

F

Scott, A. (1959) 59-7247
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/3
The use of fishery statistics by
research economists

FiB:

M

Rashley, F.J. & 59-7245
J.B. Rutherford (1959)
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/1
A report on a survey of fishery
statistics of the main countries
fishing the Middle and North Atlantic
area

FiB:

M

Gerhardsen, G.M. (1959) 59-7248
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/4
The use of fishery statistics by
government and business in North-West
Europe

FiB

M

Rutherford, J.B. (1959) 59-7249
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/5
The use of fishery statistics by
business and government in North
America

FiB: M

U.N. Statistical Office 59-7252
Department of Economic Affairs (1959)
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/10
Statistics of the fish processing
industry

FiB: M

Fridriksson, A. (1959) 59-7250
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/8
Fishery statistical requirements of
ICES

FiB: M

U.N. Statistical Office 59-7253
Department of Economic Affairs (1959)
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA WP/11
Statistics on the distribution of fish
and fish products through wholesale
and retail channels

FiB: M

Keir, R.S. (1959) 59-7251
Expert Meeting on Fishery Statistics,
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September, 1959,
FAO/ICES/ICNAF - ESTANA WP/9
Fishery statistical requirements of
ICNAF

FiB: M

Eddie, G.C. et al. (1959) 59-7254
Expert Meeting on Fishery Statistics
in the North Atlantic Area, Edinburgh,
Scotland, 22-30 September 1959,
FAO/ICES/ICNAF - ESTANA SP/8
The statistical needs of the
designer of large trawlers and ship-
borne processing plant

FiB: M

Jones, N.R. (1959) 59-7255
J.Sci.Fd Agric., 10:282-6
The free amino-acids of fish - II.
Fresh skeletal muscle from lemon sole
(Pleuronectes microcephalus)

Free amino-acid composition surveyed over a 3-year period. Considerable variations occur, some of them seasonal. These findings are discussed in relation to their significance in fish technology & comparative biochemistry.

FAO:nrj

M

Dystedt, J., L. Swenne 59-7258
& H.W. Aas (1959)
J.Sci.Fd Agric., 10:301-4
Determination of trimethylamine oxide in fish muscle

Review of literature & description of method.

FAO:sjh

MF

Wiesner, (1958) 59-7256
Brauwelt, 98B:862
Fish poisoning by ammoniacal brewery effluents

JSFA 10(5):i-292. Severe cases have been connected with operations involving repairs or renewals of cooling plant. Data are given in confirmation of the toxicity of NH_3 to fish.

:jsfa

F

Lovern, J.A., J. Olley 59-7259
& H.A. Watson (1959)
J.Sci.Fd Agric., 10:327-37
Changes in the lipids of cod during storage in ice

Contents as per title.

FAO sjh

M

Gameson, A.L.H. & 59-7257
A.B. Wheatland (1958)
J.Inst.Sew.Purif., (2):106-19
Ultimate oxygen demand (U.O.D.) and course of oxidation of sewage effluents

JSFA 10(5):i-292.

F

Schubert, E. (1958) 59-7260
Naturwissenschaften, 45:571-2
Polarographic determination of oxygen at pressures above atmospheric: measurement of oxygen consumption in biological investigations

JSFA 10(6):i-343.

G

Beever, C. & K. Ruud (1959) 59-7261
FAO, Rome, mimeo, 88 p.
 Financial assistance schemes for the acquisition of improvement of fishing craft

A draft review of subject, with examples from various countries, especially Belgium, Canada, Denmark, France, German Federal Republic, Ireland, Japan, Malta, Norway, Spain, South Africa, UK, USA.

FiB:sjh

M

Petkovski, T.K. (1959) 59-7264
Hidrobiol.Istanbul, 4B:166-9
 Beiträge zur Kenntnis der Entomostraken des Bojansko Blato in Bulgarien (Contribution to the knowledge of entomostraca of Bojansko Blato in Bulgaria)

Notes, with ill., on spp. of Eryocamptus, Elaphoidella, Limnodiaptomus, Bryocamptus, Cyclocypris & Cypria.

FAO:sjh

F

Nalbandoğlu, U. (1959) 59-7262
Hidrobiol.Istanbul, 4B:111-57
 Morphological study of the fin and connective systems in Anatolian Cyprinodontidae

Detailed ill. anatomical study of girdles of Aphanius, Anatolichthys, Kosswigichthys & the "Burdur" fishes, in their hybrids & abnormal forms.

FAO:sjh

F

Karaman, S.L. (1959) 59-7265
Hidrobiol.Istanbul, 4B:170-5
 Über eine neue Unterart von Niphargus tauri (Schellenberg), n.ssp. osogovensis aus Jugoslawien (On a new form of Niphargus tauri (Schellenberg), n.ssp. osogovensis, from Yugoslavia)

Ill. description.

FAO:sjh

F

Petkovski, T.K. (1959) 59-7263
Hidrobiol.Istanbul, 4B:158-65
 Beitrag zur Kenntnis der Ostracoden-Fauna Jugoslawiens (V) (Contribution to the knowledge of Yugoslavian ostracod fauna)

Ill. description of spp. of Ilyodromus, Limnocythere, & Leptocythere.

FAO:sjh

F

Demir, M. (1959) 59-7266
Hidrobiol.Istanbul, 4B:176-9
 Pontellidae and Parapontellidae (Pelagic copepoda) from the Southern Black, Marmara, and North-East Aegean Seas

Short account of distribution, abundance, & importance of spp. of Anomalocera, Pontella, Labidocera, Pontellopsis, Pontellina & Parapontella.

FAO:sjh

M

Demir, N. (1959) 59-7267
Hidrobiol. Istanbul, 4B:180-7
 Notes on the variations of the eggs of
 anchovy (Engraulis encrasicolus Cav.)
 from Black, Marmara, Aegean and
 Mediterranean Seas

Describes variations in size & shape
 of E. encrasicolus eggs in these areas.

FAO:sjh

M

Abrikosov, G.G. (1959) 59-7270
C.R.Acad.Sci.U.R.S.S., 126:1378-80
 O podovykh podrazdeleniakh i
 geograficheskom rasprostraneni
 golorotykh (Gymnolaemata) mshanok
 kontinental'nykh vodoemov (On
 generic subdivisions and geographic
 distribution of Gymnolaemata Bryozoa
 of continental water reservoirs)

Annotation to follow.

FAO:

M

Angelescu, V., F.S. Gneri 59-7268
 & A. Nani (1958)
Publ.Serv.Hidr.nav.Buenos Aires, (H-1004)
 La merluza del Mar Argentino (Biologia
 y taxonomia) (The hake of Argentina
 Seas - Biology and taxonomy)

Monograph on Merluccius m. hubbsi;
 population dynamic, growth, length
 composition, areas fished, statistics
 of catches; reproduction, maturity,
 nutrition, parasites, general ecology
 & environment. Taxonomic consideration
 of the genus & its sub-divisions;
 distribution & comparison biology of
 the Merluccidae & Gadidae. Practical

Lobashev, M.E., V.B. 59-7271
 Sevvateev & V.G. Marshin (1959)
C.R.Acad.Sci.U.R.S.S., 126:1385-8
 Adaptatsiia k bezuslovnomu
 razdrazhiteliu v protsesse
 obrazovaniia uslovnogo refleksa
 (Adaptation to an unconditioned
 stimulus in the process of conditioned
 reflex formation)

Annotation to follow.

FAO:

MF

59-7268
 (Card 2)
 application of results of these
 studies. Bibliography, charts.

SJH:sjh

M

Nielsen, B.R. (1959) 59-7272
Dansk FiskTid., 77:164-6
 På fiskeri ved Yemen, "det lykkelige
 Arabien" (On the fishery in
 Yemen, "the lucky Arabia")

Popular review of fisheries in Yemen.

FAO:tl

M

Birmingham University (1957) 59-7273
Birmingham, 107 p.
Twenty-eighth annual report (session
1956-1957) of the University Research
Committee

Incl. account of work in Dep. of
Zoology & Comparative Physiology on
electrophysiological study of hind-
brain activity & breathing movements
of teleosts, correlation between speed
of shortening of lamelibranch muscle -
incl. Mytilus - & its ionic content -
Na, K, Cl -; use of radioactive tracers
to measure sodium flux through muscle
of marine & freshwater lamelibranchs;

59-7275
(Card 2)

muscles of molluscs; blood analyses
of Gammarus spp. from waters of
various salinities; infestation of
Scrobicularia plana in Essex by the
digenetic trematode Petricola phola-
diformis; adhesive apparatus of
diclidophoroid trematodes on gadoids;
the trematodes Echinostoma &
Cotylurus s.p. parasitizing Lymnaea
stagnalis. Gives list of published
work & theses; also work of Dep.
Engineering "Production on theory of
closed queues"; of Dep. Civil
Engineering on deposition of sands;

59-7273
(Card 2)

study of trematodes, incl. Dictyocotyle
coeliaca, endoparasitic in Cuckoo
Roys at Plymouth, & larvae of several
spp. in Lymnaea stagnalis; host
specificity of skin-dwelling & gill
dwelling trematodes. Gives list of
published work & theses. Also work of
Dep. of Geology on seismic survey of
floor of Cardigan Bay; of Dep. of
Electrical Engineering on echo-ranging
systems.

GLK:sjh

MF

59-7275
(Card 3)

of Dep. Electrical Engineering on
echo-ranging systems - laboratory
built at Beldive reservoir, equipment
tested on DISCOVERY II -; also gives
references to theses on p. 27.

GLK:sjh

MF

Birmingham University (1958) 59-7275
Birmingham, 108 p.
Twenty-ninth annual report (session
1957-1958) of the University Research
Committee

Incl. account of work in Dep. Zoology
& Comparative Physiology on:
innervation of structure & innervation
of sensory end organs of ear of Raja
clavata; elasmobranch ampullae of
Lorenzini; nervous coordination of
breathing in fish; physiological
differences between marine & freshwater
animals, especially O₂ - consumption of

59-7278

Nasir, P. (1958)
Thesis, Univ. Birmingham,
The trematode parasites of Limnaea
stagnalis (L.) from Edgbaston Pool,
with descriptions of the complete
life cycles of three of them

F

Whitehouse, J.W. (1958) 59-7279
Thesis, Univ. of Birmingham
The ecology of some North Midlands
bogs and meres

F

Kendell, R. (1958) 59-7282
Thesis, Univ. of Birmingham,
The swinging of an acoustic beam
by electronic means

G

Griffiths, J.W.R. (1958) 59-7280
Electr. Radio Engr., 35:29
Underwater acoustic echo-ranging

LF

Llewellyn, J. (1957) 59-7283
Parasitology, 47:30
The mechanism of the attachment of
Kuhnia scombri (Kuhn, 1829) (Trematoda:
monogenea) to the gills of its host
Scomber scombrus L., including a note
on the taxonomy of the parasite

M

Welsby, V.G. (1958) 59-7281
Monogr. Inst. Electr. Engrs, (274R)
The form assumed by a submarine cable
during laying or recovery

M

Llewellyn, J. (1957) 59-7284
1st Symp. on Host Specificity among
Parasites of Vertebrates, Neuchatel,
199
Host-specificity in monogenetic
trematodes

MG

Bultitude, K.H. (1957) 59-7285
Thesis, Univ. of Birmingham
Electrophysiological investigation of
local activity of fish hind-brain,
using microelectrodes

MF

Slobodkin, L.B. (1959) 59-7286
Ecology, 40:232-43
Energetics in Daphnia pulex
populations

22 populations of D. pulex were
subjected to predation in the
laboratory. 5 control populations
were maintained. The steady state
census & yield data & the food
consumption of each population were
translated into calories by use of
conversion constants. Energy budgets
were then written for each
population.

FAO:lbs

F

Abell, D.L. (1959) 59-7286
Ecology, 40:186-93
Observations on mosquito populations
of an intermittent foothill stream in
California

Dipper collections of immature
mosquitoes were taken at monthly
intervals during a single calendar
year from water associated with an
extended-flow-type intermittent stream
in the western foothills of the Sierra
Nevada in central California.

FAO:dla

F

Cooke, Wm.B. (1959) 59-7289
Ecology, 40:273-91
Trickling filter ecology

The populations of several trickling
filters in the United States &
England are reviewed according to
limited studies based on either
bacteria, fungi, algae, protozoans,
worms, insects or snails. An
integrated list is presented to
indicate something of the complexity
of the biota.

FAO:wbc

F

Patten, B.C. (1959) 59-7287
Ecology, 40:221-31
An introduction to the cybernetics of
the ecosystem: the trophic-dynamic
aspect

A model of energy flow through a
producer-consumer- trophic
system is developed as a logical
consequence of applying the 1st 2
principles of thermodynamics.
Production rates & efficiency ratios
are formulated from the model & used to
compare the organization of several
actual communities.

FAO:bcp

MF

Winn, H.T. & 59-7290
J.E. Bardach (1959)
Ecology, 40:296-8
Differential food selection by moray
eels and a possible role of the
mucous envelope of parrot fishes in
reduction of predation

A series of predator-prey experiments
were carried out with the common
spotted moray eel as the predator;
one prey was either Sparisoma
chrysopterum or radians offered
together with Scarus croicensis. A
mucous envelope is produced only by
the last sp. & it was eaten less

59-7290
(Card 2)
frequently. Tentatively concludes that the mucous fold reduces effective predation by the common spotted moray eel.

FAO:hew

F

Burt, W.V., W.B. McAlister 59-7294
& J. Queen (1959)
Ecology, 40:305-6
Oxygen anomalies in the surf near Coos Bay, Oregon

Anomalously low oxygen concentrations are reported for the surf near the entrance to Coos Bay, Oregon. Low oxygen concentrations were found from January through May & relatively high values the rest of the year. The times when low concentrations were found do not correlate with the expected time of maximum upwelling. The low concentrations do not appear to be

Marshall, N. (1959) 59-7292
Ecology, 40:298
Oyster set obtained in the Niantic River, Connecticut, on cultch buoyed near the surface

Report of the operation.

59-7294
(Card 2)
caused by de-oxygenated water coming out of the estuary.

FAO:glk

MF

FAO:bwv

M

Chipman, R.K. (1959) 59-7293
Ecology, 40:299-302
Studies of tolerance of certain freshwater fishes to brine water from oil wells

Report of field observations of the mortality & of aquarium experiments to determine lethal limits, for spp. of Amia, Ictalurus, Notemigonus, Chaenobryttus, Lepomis & Micropterus.

FAO:glk

MF

Reish, D.J. (1959) 59-7296
Ecology, 40:307-9
A discussion of the importance of the screen size in washing quantitative marine bottom samples

The importance of the screen opening in washing marine quantitative samples was discussed. 5 samples were washed separately through a series of 11 graded Tyler screens. The data were analyzed as to biomass, number of spp., number of specimens, & the appearance & disappearance of the spp.

FAO:djr

M

Maguire, B., Jr. (1959) 59-7297

Ecology, 40:312

Passive overland transport of small aquatic organisms

Report of result of washing with sterile water the feet & other parts of birds, insects & frogs & culturing the organisms adhering thereto.

FAO:glk

F

MacArthur, R.H. (1959)

59-7300

Ecology, 40:326-7

Animal ecology today

Review of 585666.

FAC:

MF

Verduin, J. (1959)

59-7298

Ecology, 40:322-3

Use of an aerated reference sample when measuring dissolved carbon dioxide

Description of a simple method of determining free carbon dioxide concentration.

FAO:glk

MF

Benton, A.H. &

59-7301

W.E. Werner, Jr. (1958)

New York, McGraw-Hill Book Co., 341 p.
Field biology and ecology

MF

Solomon, M.E. (1959)

59-7299

Ecology, 40:325-6

A symposium on population ecology

Review of 584195.

FAO:

IF

Miller, R.S. (1959)

59-7302

Ecology, 40:327-8

Field biology and ecology

Review of 59-7301.

FAC:

IF

Odum, H.T. (1959) 59-7306
Ecology, 40:328
Research adventures in the human
ecology of an atoll

Review of 59-6455.

FAO:

Anonymous (1959) 59-7306
New Scient., 6:142
Future tasks for oceanographers

Summaries & short comment on 1st 4 of
series of special reports by Committee
on Oceanography of US Nat.Acad.Sci.,
entitled "Marine Sciences in the U.S.,
1958", "Ocean Resources", "Artificial
Radioactivity in the Marine
Environment" & "Engineering Needs for
Ocean Exploration".

FAO: JN

Hopkins, D.M. (1959) 59-7304
Science, 129:1519-28
Cenozoic history of the Bering land
bridge

Description of the bottom of Bering
Strait, past fluctuations of sea level
in this area & history of evidences
that there has been land bridge
between the Alaska & Siberia in the
geological past.

FAO:tl

Allen, P. (1959) 59-7307
New Scient., 6:154-5
The future of oil geology

Article incl. description & ill.
of offshore drilling rigs.

FAO: JN

Fleming, R.H. (1959) 59-7305
Science, 129:1544-5
The Gulf stream - A physical and
dynamical description

Review of 59-6458.

FAO:

Bold, W.A. (1959) 59-7308
New Scient., 6:162
The Stephensons and Stevensons

Biographical comment on 59-6387.

FAO

Gunther, A.L. (1959) 59-7309
New Scient., 6:249
Geophysical surveys

Letter referring to 59-7307 &
discussing the support of marine
geophysical research in Britain.

Neumann, G. (1959) 59-7312
Bull.Amer.met.Soc., 40:146-8
Notes on the stress of light winds
on the sea

A reply to 581266, discussing the
increase of drag coefficient by the
decrease of wind speed.

FAC:sjh

M

TL:tl

M

Ramirez Granados, R. (1958) 59-7310
México, Secretaria de Marina, 135 p.
Aspectos biológicos y económicos de la
pesquería de sardina, Sardinops
caerulea (Girard, 1854), en aguas
mexicanas del Pacífico (Biological
and economic aspects of the sardine
fisheries, Sardinops caerulea Girard
1854, in Mexican waters of Pacific)

Gives data on age composition of
catches, growth rate, distribution,
environmental conditions, biochemistry,
taxonomy, intra-specific variation,
organization of research, application

Lindquist, A. (1959) 59-7313
Rep.Inst.mar.Res.Lysekil, (10):19 p.
Studien über das Zooplankton der
Bottensee - I. Nauplien und
Copepoditen von Limnocalanus grimaldii
(de Guerne) (Copepoda, Calanoida)
(Studies on the zooplankton of the
Gulf of Bothnia - I. Nauplii and
copepodites of Limnocalanus grimaldii
de Guerne, Copepoda, Calanoida)

Description of the nauplii of & key to
the identification of the developmental
stages of this calanoid copepod.

GLA: L

LF

59-7310
(Card 2)
of results, especially of studies
of population dynamics. Also
economics & food technology of this
industry.

Marcotte, A. (1959) 59-7314
Actualités mar., 3(1):3-9
Distribution de la morue dans la Baie
des Chaleurs en 1958 (Distribution
of cod in the Baie des Chaleurs in
1958)

Monthly patterns of distribution &
their relation with temperature.

SJH sjh

M

FAC:glk

M

Boulanger, J.L. (1959) 59-7315
Actualités mar., 3(1):25-8
 Une nouvelle planche à mesurer le poisson (A new fish-measuring board)

Description of the board which has a hole in each measurement interval opening into a container; measurements are recorded by dropping a ball or other marker through the appropriate hole.

FAC:glk

MF

Chittleborough, R.G. (1959) 59-7318
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (23)
 25 p.

Australian humpback whales 1958 -
 Part I. Analysis of catches - Part 2.
 Whale marking and recoveries

In part I, tables & diagrams presenting data on total catch, rate of catching, sex ratio, length, sexual status, & age for both east & west coasts. In part II, whales marked, recoveries, information on migration & other matters.

FAC:glk

M

Paulhus, P. (1959) 59-7316
Actualités mar., 3(1):29-31
 La station d'aménagement du Parc des Laurentides (The management station at Parc des Laurentides)

Description of the station.

FAC:glk

F

Thomson, J.M. (1959) 59-7319
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (26)
 11 p.

Summary review of a scientific survey of Lake Macquarie by C.S.I.R.O.
 Division of Fisheries and Oceanography

The physical characteristics of the lake, its organic production, trends in the catch of fish, composition of the catch & presentation of hypotheses concerning the change observed in fish production.

FAC:glk

MF

Bastl, I. (1959) 59-7317
Biológia, 14:454-7
 Zpráva o počte ikier pstruha obyčajného čiernomorského formy potočnej (Salmo trutta labrax morpha fario) z Hnilockej údolnej nádrže (Report on the number of eggs of the brook trout, Salmo trutta labrax morpha fario, from the reservoir of Hnilec). Ru De

Contents as per title.

FAO:tl

F

Hatanaka, M. & 59-7320
 N. Kosaka (1959)
Tohoku J.agric.Res., 9(3):159-78
 Biological studies on the population of the starfish, Asterias amurencis, in Sendai Bay

Studies of growth rate, fecundity, population density, feeding rate & assimilation, food & other aspects of ecology in connection with proposal to reduce abundance of these competitors with commercial fish.

SJH:sjh

M

Vesterhus, R. (1959) 59-7321
Rep.F.A.O./E.T.A.P., (1088):37 p.
Report to the Government of Turkey on
the processing of fish and establishment
of a fish preservation and quality
control laboratory

Report of Technical Assistance mission
which incl. some notes on location of
resources in relation to processing
establishments.

sjh:sjh

M

Law, P. (1959) 59-7324
Aust.J.Sci., 12:285-94
The IGY in Antarctica

List of stations; description of some
of the conditions of work; account of
some of the research & its results,
chiefly meteorological & geological
but dealing briefly also with
oceanography.

CLK:glk

M

Humphrey, G.F. (1959) 59-7322
Aust.J.Sci., 12:311
Oceanography and marine biology

Review of 59-5185.

CLK:

M

Anonymous (1959) 59-7325
Amer.Scient., 47:234-49
Oceanography - The science of the
oceans

TL:

M

Tullen, K.B. (1959) 59-7323
Aust.J.Sci., 12:279-85
The developing pattern of Antarctic
research

Historical review in 3 sections:
before world war II, from that war to
the IGY; during the IGY.

CLK:glk

M

Michelson, E.H. & 59-7326
A.R. Schork (1958)
Nautilus, 72(1):3-5
Teratogeny in Australorbis glabratus

BA 33(3)12090.

Jarrett, H. (Ed.) (1958) 59-7327
Baltimore, J. Hopkins Press, 260 p.
Perspectives on conservation

G

Carlander, K.D. (1959) 59-7330
J.Wildlife Mgmt, 23:377-8
Ecological life history of the
warmouth (Centrarchidae)

Critical review of 582176.

FAC

F

Golley, F.B. (1959) 59-7328
J.Wildlife Mgmt, 23:371-3
Perspectives on conservation

Critical review of 59-7327.

FAC:

G

Edminster, F. (1959) 59-7331
J.wildlife Mgmt, 23:378
Conservation of natural resources

Critical review of 59-2983.

FAC:

MF

Laws, R.M. (1959) 59-7329
J.Wildlife Mgmt, 23:374-5
Seals, sea lions, and walruses. A
review of the pinnipedia

Critical review of 583713.

FAC:

L

Riegel, J.A. (1959) 59-7332
J.wildlife Mgmt, 23:379
Marine ecology

Critical review of 59-2032.

FAC:

li

U.K. Marine Biological Association (1958) 59-7333
Plymouth, 24 p.
Report of the Council for 1957-58

Report on the laboratory, its equipment, aquarium & vessels, & its staff; occupation of tables, research carried out by the laboratory staff; accounts & office-bearers of the Association.

GLK:glk

M

Bruijns, M.F.M. (1959) 59-7336
Bilthoven, mimeo, 3 p.
Report on the numbers of oiled birds found dead on the coast of the Netherlands, 1948 - 1958

Table, by sp. & months, with interpretation.

FiB:sjh

M

U.K. Marine Biological Association (1959) 59-7334
Plymouth, 25 p.
Report of the Council for 1958-59

Report on the laboratory, its equipment, aquarium & vessels, & its staff; occupation of tables, research carried out by the laboratory staff; accounts & office-bearers of the Association.

GLK:glk

M

Oldroyd, H. (1958) 59-7337
London, Hutchinson Scientific & Technical Publications, 327 p.
Collecting, preserving and studying insects

FG

Pahari, R. (1959) 59-7335
Occ.Pap.Indo-Pacif.Fish.Coun., (59/6): 5 p.
Fish production and consumption in West Java

See 59-6063. Statistics of production & consumption, & discussion of ways of increasing & improving both production & distribution.

FiB:glk

MF

Fish, G.R. (1959) 59-7338
Occ.Pap.Indo-Pacif.Fish.Coun., (59/5): 3 p.
Dissolved oxygen determinations using a polarograph apparatus

Description of the principle of the method, operation, & some practical aspects of the polarograph used.

FAO:glk

MF

Herman, E. et al. (1959) 59-7339
Publ.Wis.Conserv.Dep., (228):14 p.
The yellow perch, its life history,
ecology and management

Taxonomic position of Perca flavescens
Mitchill, its distribution, appearance,
habits & habitat, reproduction,
growth, populations, mortality rates &
yield, ecology, exploitation, economic
value, & management.

WAD:glk

F

Darnell, R.M. (1959) 59-7342
Bull.ecol.Soc.Amer., 40:68
Invertebrates of Lake Pontchartrain,
Louisiana

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Over 60 spp. on non-planktonic
invertebrates have been identified.
5 major spp. are considered to be
permanent residents of the estuary.
These incl. spp. of sponge, hydroid,
clam, mussel, & crab. Quantitative
aspects of the distribution &
seasonal occurrence.

GLK:rmd

MF

Schuster, W.H. (1959) 59-7340
Occ.Pap.Indo-Pacif.Fish.Coun., (59/3):
39 p.

Synopsis of biological data on
milkfish Chanos chanos (Forsk.) , 1775

1st draft summary & review according
to standard pattern of information
accumulated in Species & Stocks
Thesaurus of FAO Fish.Div., Biology
Branch. See 59-6108.

FiB:glk

M

Haws, T.G. & 59-7343
C.J. Goodnight (1959)
Bull.ecol.Soc.Amer., 40:68-9
Some aspects of the blood chemistry of
two species of catfish in relation to
their habitats

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
A correlation was found for channel
catfish & the brown bullhead. The
bullhead has an advantage over the
catfish in water where the oxygen
content is low.

GLK:tgh

F

Moore, W.G. (1959) 59-7341
Bull.ecol.Soc.Amer., 40:68
New world fairy shrimps of the genus
Streptocephalus

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, August 31-September 4.
Taxonomics & distribution of the genus
in North & Middle America are outlined.
Certain morphological criteria not
previously considered are discussed for
5 published spp. & for 2 undescribed
forms. Laboratory culture studies
on attempted modifiability of the
phenotype by environmental factors.

GLK:wgm

M

McNeil, C.W. (1959) 59-7344
Bull.ecol.Soc.Amer., 40:69
Winter survival and competition of
Stagnicola palustris nuttalliana (Lea)
and Physa propinqua Tryon

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Collected from natural populations in
irrigation canals in October 1958.
Analysis of variance of the mortality
rates.

GLK:cwm

F

Lauff, G.H. & 59-7345
K.W. Cummins (1959)
Bull.ecol.Soc.Amer., 40:70
The influence of substrate on stream
fauna distribution

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Habitat preferences of certain benthic
macro-invertebrate groups have been
analyzed in relation to substrate
particle size. Laboratory studies have
indicated selection of certain forms.
The influence of current velocity &
available food materials are being

Clark, E. (1959) 59-7348
Bull.ecol.Soc.Amer., 40:86
Instrumental conditioning of sharks

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
A male & female lemon shark, Lepapron
brevirostris, each about 9 feet, were
trained to feed at a target which,
when pressed, caused a submerged bell
to ring. The target was then presented
without food. Experiments showed
individual differences in various
aspects of the behaviour of these
sharks.

GLK:ec

M

59-7345
(Card 2)
investigated in both laboratory &
field situations.

GLK:ghl

F

Livingstone, R., Jr. (1959) 59-7349
Bull.ecol.Soc.Amer., 40:86
Television observations of the
behaviour of marine fish in a trawl net

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
The escape behaviour for Ammodytes
americanus & Melanogrammus aeglefinus
is shown.

GLK:rl

M

Layne, J.N. (1959) 59-7347
Bull.ecol.Soc.Amer., 40:82
Feeding adaptations and behaviour of a
freshwater dolphin, Inia geoffrensis

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Field observations on the Amazon dolphin
indicate that it may capture fish either
by rapid pursuit near the surface or by
foraging slowly at some depth. Studies
on the behaviour of this sp. in
captivity.

GLK:jnl

F

Brawn, V.M. (1959) 59-7350
Bull.ecol.Soc.Amer., 40:86
Underwater television used to observe
the behaviour of herring

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.

GLK:

M

Tavolga, W.N. (1959) 59-7351
Bull.ecol.Soc.Amer., 40:87
The life history of goby, *Bathygobius*
soporator

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.
A secretive, shallow water sp. common in tidal zones of the tropics & subtropics. Timelapse motion pictures show the development of the egg.

GLK:wnt

MF

Clark, E. (1959) 59-7354
Bull.ecol.Soc.Amer., 40:89
Reproductive behaviour in herma-
phroditic fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.
Each mature individual of the serranid fish, *Serranellus subligarius* regardless of size, has at the same time both motile sperm & eggs. Mating behaviour of pairs & groups of hermaphrodites show 2 types of behavioural patterns.

GLK:ec

M

Greenberg, B.S. (1959) 59-7352
Bull.ecol.Soc.Amer., 40:88
Recent studies of social behaviour in
fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.
Reviews subject & discusses his own work with certain substrate spawning cichlids. Ill. the newer problems & methods of analysis.

GLK:bsg

MF

Tucker, A. (1959) 59-7355
Bull.ecol.Soc.Amer., 40:89
Morphologic specializations and
reproductive behaviour

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.
Detailed attention is given to the family Poeciliidae. Among these viviparous fishes the copulatory organ is a modification of the anal fin. Differences in genitalia as well as differences in reproductive behaviour occur from sp. to sp.

GLK:at

F

Winn, H.E. (1959) 59-7353
Bull.ecol.Soc.Amer., 40:88
Ecological factors in reproductive
behaviour of fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.
A review.

GLK:sjh

MF

Wood, F.G., Jr. (1959) 59-7356
Bull.ecol.Soc.Amer., 40:89
Observations on predator-prey
relations in fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.
Observations on the behaviour of different spp. of marine fishes of widely disparate sizes, maintained in a large-tank community aquarium, indicate certain principles that seem to apply in predator-prey relationships.

GLK:fgw

M

Atz, J. (1959) 59-7357
Bull.ecol.Soc.Amer., 40:89-90
Psychopharmacologic drugs and fish
behaviour

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Critical review.

GLK:sjh

MF

59-7359
(Card 2)
Synalpheus & of Panulirus argus
were examined.

GLK:jmm

M

Atz, J. (1959) 59-7358
Bull.ecol.Soc.Amer., 40:90
Problems of stress in fish behaviour

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Review.

GLK:sjh

MF

Stout, J.F. (1959) 59-7361
Bull.ecol.Soc.Amer., 40:93
The reproductive behaviour and sound
production of the satinfin shiner

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Notropis analostanus. Experimental
procedures to determine the
significance of the various phases of
the reproductive behaviour & its
associated sound production.

GLK:jfs

F

Moulton, J.M. (1959) 59-7359
Bull.ecol.Soc.Amer., 40:92-3
Underwater sounds of the Bermuda area

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
Summer 1958 survey of the sounds of
marine fishes & invertebrates of shore
& bank waters. Recordings of the
schooling sounds of Caranx latus & C.
ruber & of Anchoviella choerostoma.
Modifications of behaviour through the
playing of sounds are described. Sound-
producing mechanisms of Alpheus &

Higrelli, R.F. (1959) 59-7362
Bull.ecol.Soc.Amer., 40:93
Disease and fish behaviour

Abstr. of paper presented at the 1959
Meeting with AIBS, University Park,
Pennsylvania, Aug. 31-Sept. 4.
A review.

GLK:sjh

MF

Bitterman, M.E. & 59-7363
J. Wodinsky (1959)
Bull.ecol.Soc.Amer., 40:94
Some experiments on learning in Tilapia

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. These are the first of a projected series of experiments on the behaviour of Tilapia macrocephala under conditions similar to those which are widely used in the study of mammalian learning.

GLK:meb

F

Brawn, V.M. (1959) 59-7366
Bull.ecol.Soc.Amer., 40:95
Observations on the behaviour of herring using underwater television

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. Groups of herring were placed in a submerged, mesh-covered cage with television camera attached & lowered to 20 feet.

GLK:vmb

M

Schwassmann, H.O. & 59-7364
W. Braemer (1959)
Bull.ecol.Soc.Amer., 40:94
Basic principles of sun-orientation in fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. No learning of the sun's movement is required for Lepomis cyanellus; Aequidens portalegrensis, a fish native to the southern hemisphere, allows for a clockwise as well as a counterclockwise sun movement before learning the local direction.

GLK:hos

F

Perlmutter, A. (1959) 59-7367
Bull.ecol.Soc.Amer., 40:95
Application of behavioral investigations to fisheries problems

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. General review with examples.

GLK:sjh

MF

Livingstone, R., Jr. (1959) 59-7365
Bull.ecol.Soc.Amer., 40:94
The use of underwater television for studying the behaviour of marine fish in trawl nets

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. An image-orthicon television camera is used in connection with normal fishing operations of standard otter trawl nets.

GLK:rl

MG

Collins, G.B. (1959) 59-7368
Bull.ecol.Soc.Amer., 40:95
Fish behaviour and fishways

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.

GLK:

MF

Pakistan. Ministry of Food 59-7369
& Agriculture (1959)

Karachi, Govt Pakistan Press, 90 p.
Report of the Government of Pakistan
to Food and Agriculture Organization
of the United Nations (1955-1957).

Incl. section on fisheries, with
following subheadings: Fisheries
resources; Importance of fish in the
economy of Pakistan; Survey &
development work; Distribution of nylon
twine; Mechanization of fishing craft;
Assistance to cooperative societies;
Karachi fish harbour; Fish industries;
future development plans - Mekran

Hamada, S. & 59-7372
T. Ino (1957)
Bull.Tokai reg.Fish.Res.Lab., 16:41-8
Ecological studies on a predator
for commercial clams, Philine
japonica Lischke

BA 33(3)8750.

M

59-7369
(Card 2)

coast; West Pakistan inland fisheries;
East Pakistan; Retail fish markets;
Fish industries -; **Anticipated results**
of development plans - Karachi & Sind
coast; Mekran coast; East Pakistan -
Main problems. Also reports of
following technical assistance &
special projects - Karachi fish
harbour; cold storage, ice plant &
marketing shed at Chittagong;
mechanization of fishing vessels &
transport boats.

FAO:sjh

MF

Baker, S.J.K. (1958) 59-7373
Uganda J., 22(1):1-10
The geographical background of
western Uganda

BA 33(3)8765.

F

Gottlieb, E. (1959) 59-7371
Haifa, 131 p.
(Study of the benthos in Haifa Bay -
Ecology and zoogeography of
invertebrates). Iw En

Quantitative study of benthos biomass,
description of communities & notes on
the environmental conditions & on
ecology & zoogeography of important
benthic animals in the area.

FiB:tl

M

McVean, D.N. (1958) 59-7374
Trans.bot.Soc.Edinb., 37(3):200-8
Island vegetation of some west
highland fresh-water lochs

BA 33(3)8776.

F

Wilce, R.T. (1958) 59-7375
Dissert. Abstr., 18(5):1591
Studies of the marine algae of the
Labrador Peninsula and northwest
Newfoundland (Ecology and distribution)

BA 33(3)8785.

M

de Godoy, M.P. (1957) 59-7378
Rev. bras. Biol., 17(4):479-90
Marcacao de peixas no Rio Mogi Guaçu
(Tagging fish in the Mogi Guaçu
River)

BA 33(3)8810.

F

Caldwell, D.K. & 59-7376
A. Carr (1957)
Trans. N. Amer. Wildl. Conf., 22:457-63
Status of the sea turtle fishery in
Florida

BA 33(3)8799.

M

Hayashi, S. (1957) 59-7379
Bull. Tokai reg. Fish. Res. Lab., 15:15-20
(On the age of 0-age sardine in
Iutsu Bay). Ni En

BA 33(3)8830.

M

Cole, B.T., H.J. Bennett 59-7377
& J.D. Miller (1958)
Proc. La Acad. Sci., 20:13-23
Tolerance of euryhaline fish forms
to dilutions of oil field bleed water

BA 33(3)8805.

F

Hayashi, S. (1957) 59-7380
Bull. Tokai reg. Fish. Res. Lab., 16:7-14
A note on scales of the pink salmon

BA 33(3)8831.

F

Kawana, T. & 59-7381
S. Koba (1957)
Bull. Tokai reg. Fish. Res. Lab., 15:71-6
(On Pinctada maxima Jameson in the
Arafura Sea). Ni En

BA 33(3)8839.

M

Puckett, C.A., Jr. (1958) 59-7384
Trans. Amer. Fish. Soc., 87:116-31
Growth of the fishes in the salt
River Missouri

BA 33(3)8876. Data are presented for
11 spp. from a dredged upstream
station, an unmodified lower station,
& an intermediate middle station.
All but 1 of the more abundant sp.
showed a trend toward faster growth
downstream; differences in growth
indicate little movement between
stations.

:ba

F

Kirkwood, J.B. (1957) 59-7382
Fish. Bull. Ky. Dep. Fish. Wildl. Res., (21):
A brief study of the Levisa Fork and
Russell Fork of the Big Sandy River

F

Ridenhour, R.L. (1958) 59-7385
Dissert. Abstr., 19(1):9-10
Ecology of young game fishes of Clear
Lake, Iowa

BA 33(3)8880.

F

Muñoz-Goyanes, G. (1958) 59-7383
Montes, Madrid, 14(79):27-34
Sobre la posible introducción en
España del Roccus saxatilis W.
(Possible introduction of Roccus
saxatilis into Spain)

BA 33(3)8861.

MF

Schulbach, J. (1958) 59-7386
Iowa Conservnist, 17(8):57, 63-4
Angling success on the Des Moines

BA 33(3)8885.

F

Richards, A.F. & 59-7387
B.H. Brattstrom (1959)
Proc. Calif. Acad. Sci., 29(9):315-60
Bibliography, cartography, discovery
and exploration of the Islas
Revillagigedo

The bibliography is arranged
alphabetically & is indexed by
subject.

FAO:glk

M

A.R. (1959) 59-7390
Behavior. Sci., 4:132-4
A Soviet view of cybernetics

FAC:

G

Stohler, R. (1959) 59-7388
Proc. Calif. Acad. Sci., 29(11):423-44
Two new species of west North
American marine gastropods

Description of Astraea (Uvanilla)
rupicollina Stohler & Macrarene
coronadensis Stohler.

FAO:glk

M

Anonymous (1959) 59-7391
Behavior. Sci., 4:162-72
Computers in behavioral science

Announcement of editorial policy &
plan to publish news items, abstracts,
review & descriptive papers in this
field.

FAO:sjh

G

Maroc. Service Central 59-7389
des Statistiques (1959)
Bull. statist. Maroc, (18):35 p.

Incl. monthly table of fish landings,
by areas, for the period Feb. 1958 -
Dec. 1958.

FAO:sjh

M

Adams, E. & 59-7392
R. Fagot (1959)
Behavior. Sci., 4:1-10
A model of riskless choice

Current researches on how we arrive at
decisions concentrate on utility
functions. This article deals with
individuals' choices among pairs of
alternatives involving only 2
components, in situations where no
risks are incurred. A model for
choices of this type is detailed here
& a test of it reported.

FAO:ea

G

Rapoport, A. (1959) 59-7393
Behavior.Sci., 4:49-66
Critiques of game theory

Theory of games has initiated a new mathematical approach to behavioral science based on conceptualizations entirely absent in "classical" applied mathematics. In the wake of the 1st formulation of the theory came a proliferation of new avenues of attack on old problems involving situations of interest conflict, cooperation, bargaining, & power play.

FAO:ar

G

Scotland. Ministry of 59-7396
Agriculture, Fisheries & Food &
Scottish Home Department (1959)
Aberdeen, Fish.Lab.Lowestoft, 8 p.
Fish stock record 1958

Summarizes size & age compositions of Pleuronectes platessa, Solea vulgaris, Gadus callarias, G. aeglefinus, G. merlangus, G. virens, Clupea harengus, Merluccius merluccius catches by British vessels in N. Atlantic & Arctic waters. Summarizes samples, catches per unit effort, conversion tables, histograms, etc. & gives short

Beer, C.G. (1959) 59-7394
Trans.roy.Soc.N.Z., 86:197-203
Notes on the behaviour of two
estuarine crab species

Helice crassa & Hemiplax hirtipes in New Zealand live singly in burrows which they defend from the intrusion of other members of their colonies. Fighting consists mainly of threat display; neither sp. shows courtship display. Both have efficient means for escaping or concealing themselves from predators.

FAO:cgb

MF

59-7396
(Card 2)
account of condition of each stock
sampled.

FiB:sjh

M

Robinson, E.S. (1959) 59-7395
Trans.roy.Soc.N.Z., 86:381-92
Some new cestodes from New Zealand
marine fishes

5 new spp. are described & ill. -
Acanthobothrium wedli from Raja nasuta
Ichinobothrium coronatum from Mustelus
lenticulatus; Gymnorhynchus (Molicola)
thyrsitae from Thyrsites atun;
Gymnorhynchus (Gymnorhynchus) isuri
from Isu us glaucus; Prochristianella
aetobatidis from Aetobatis
tenuicaudatus.

FAO:esr

M

U.S. National Academy of 59-7398
Sciences, National Research
Council (1959)
Bi-ann.Rep.Pacif.Sci.Bd, 1957-1958, 71p.

Summary account of the Board's scientific investigations in Micronesia & biological investigations in the Pacific area; its work on conservation; its cooperative & advisory activities; list of reports & publications; list of participants in its field programmes; composition of the Board & its scientific committees.

FAO:glk

MF

Hammond, R.J. (1959) 59-7399
J.polit.Econ., 67:314-5
Multiple-purpose river development:
studies in applied economic analysis

Critical review of 59-2115.

FAO:

T

Nelson, R.R. (1959) 59-7402
J.polit.Econ., 67:297-306
The simple economics of basic
scientific research

Contents as per title.

FAO: G

G

Fuchs, V.R. (1957) 59-7400
New York, Columbia Univ.Press, 168 p.
The economics of the fur industry

MF

Madsen, K.Popp (1959) 59-7403
Dansk Fisketid., 77:325-6
De internationale sildemaerkninger
(The international tagging of herring)

Review of the international tagging
of herring on Bloeden ground during
1958, notes on return of tags & short
review of the herring catches from
this ground.

FAO:tl

M

Markham, J.W. (1959) 59-7401
J.polit.Econ., 67:311-2
The economics of the fur industry

Critical review of 59-7400.

FAO:

MF

Maloney, W.E. (1958) 59-7404
Washington, D.C., 41 p.
Study of the types, seasons of
attachment, and growth of fouling
organisms in the approaches to
Norfolk, Virginia

Gives the results & analysis of one
year's -- April 1956 to April 1957 --
marine biological fouling data
obtained along the bottom near
Thimble Shoal Channel in lower
Chesapeake Bay.

susgrr

M

Suomela, A.J. (1959) 59-7405
Inf.Serv.Rel.U.S.Dep.Int., 27 July,
6 p.
A report to the shellfish industry

Address before the Joint Convention
of the Oyster Institute of North
America and National Shellfisheries
Association, at Washington, D.C.,
July 27, 1959. Incl. account of
research programmes concerning
mortality of oysters in Delaware Bay,
starfish predation in Long Island
sound, culture of clams & oysters on
US Atlantic coast, contacts with
scientists overseas.
PiB:sjh M

Schlieker, E. (1957) 59-7408
Dtsch.FischZtg., 4(5):129
Description of the fishery with large
traps

CFA 11(12):1. Traps used off the
Baltic coast for herring & eels.

FAC:glk M

Bumpus, D.F. (1959) 59-7406
Woods Hole, Massachusetts,
Investigations of climate and
oceanographic factors influencing the
environment of fish

Charts prepared on a monthly basis,
irrespective of year, indicate the
number of drift bottles released in
each 30 x 30 minute rectangle & the
percent of bottles from each rectangle
which stranded in selected areas.

GLK:dfb M

Flood, E. (1958) 59-7409
Rep.technol.Res.Norw.Fish Ind., 3(5):9 p.
The content of fat and fat-free dry
material in Norwegian winter herring
during the years 1930-1956

CFA 11(12):11. Data on the content of
fat & fat-free dry material of the
Norwegian winter herring have been
collected, based upon industrial
analysis of a great number of separate
catches during the years 1930-56, &
are discussed with regard to
migration, feeding & sexual
development.

:cfa M

Templeman, W. & 59-7407
E.J. Sandeman (1958)
J.Fish.Res. Bd Can., 15:695-700
Red flesh in redfish, Sebastes marinus

CFA 11(12):1. Report of spectrophoto-
metric & chemical analyses,
description of its occurrence in
Lelanogrammus aeglefinus, & discussion
of its pathological & nutritional
significance.

FAO:glk M

Notiz, H.H. et al. (1958) 59-7410
J.biol.Chem., 231:589-92
Identification of estradiol-17 β
from dogfish ova (Squalus suckleyi)

CFA 11(12):13. A material identified
as estradiol-17 β by counter-current
distribution, paper chromatography,
& comparative estrogenic action was
extracted from the ovarian eggs of
S. suckleyi.

:cfa M

Dickson, W. (1958) 59-7411
World Fish., 7(3):2 p.
Is "bang up" bang on?

The German method of handling trawl differs from the British, & an ill. description of the merits & disadvantages of the "bang up" method, as it is known, is here given, for the interest of trawler skippers & others.

FiB:wd

M

Doollotian, R.A. (1957) 59-7414
J.Mammal., 38:265-6
Notes on a specimen of the harbor porpoise

ZR 94(18):8.

M

Allen, R. & 59-7412
W.T. Neill (1957)
Nat.Hist., N.Y., 66:324-9
White whales of the Amazon

ZR 94(18):4.

F

Doollotian, R.A. (1957) 59-7415
Zool.Gart., Leipzig, 23:227-9
Notes on a specimen of Phocoena vomerina (Gill), the harbour porpoise

ZR 94(18):8.

M

Anderson, K.H. & 59-7413
J. Shapiro (1957)
Amer.Midl.Nat., 57:483-92
The effects pf flooding on a small marsh in central Connecticut

ZR 94(18):4.

F

Burton, M. (1957) 59-7416
Ill.Lond.News, 230:272
Manatees, not mermaids

ZR 94(18):10.

M

Caldwell, D.K., J.N. Layne 59-7417
& J.B. Siebenaler (1957)
Quart.J.Fla Acad.Sci., 19:189-96
Notes on a killer whale, (Orcinus
orca) from the northeastern Gulf of
Mexico

ZR 94(18):11.

K

Grayce, R.L. (1957) 59-7420
Bull.Mass.Audubon Soc., 41:417-9
Key to the marine mammals of New
England

ZR 94(18):22.

M

Ehrlich, S. (1957) 59-7418
Ekol.Polsk., 4A:171-212
(Phenomena occurring among the Nutria
coypu population and reduction in
their numbers). Pl En

ZR 94(18):17.

F

Griffo, J.V., Jr. (1957) 59-7421
Quart.J.Fla Acad.Sci., 20:209-15
The status of the nutria in Florida
ZR 94(18):22.

F

Fraser, F.C. (1957) 59-7419
Bull.mamm.Soc.Brit.Is., (7):21-2
Cetaceans stranded on the British
coasts during 1956

ZR 94(18):20.

M

Harrison, R.J. (1957) 59-7422
Sch.Sci.Rev., 38:191-203
Anatomical and functional adaptations
in diving mammals

ZR 94(18):25.

M

<p>Harrisson, T. (1957) 59-7423 <u>Sarawak Mus.J.</u>, 8:265 Colour of the new Sarawak dolphin ZR 94(18):25.</p> <p>M</p>	<p>Lockley, R.M. (1957) 59-7426 <u>Ctry Life, Lond.</u>, 122:864-5 A seal on the doorstep ZR 94(18):37.</p> <p>M</p>
<p>Hickling, G. (1957) 59-7424 <u>Trans.nat.Hist.Soc.Northumb.</u>, 12:93-133 The grey seals of the Farne Islands. A report on investigations carried out between April 1956 and March 1957 ZR 94(18):27.</p> <p>M</p>	<p>Lommicki, A. (1957) 59-7427 <u>Folia biol., Krakow</u>, 5:293-306 The daily rhythm of activity in the nutria (<u>Myocastor coypus</u> Molina) ZR 94(18):37.</p> <p>F</p>
<p>Kenyon, K.W. (1957) 59-7425 <u>Oryx</u>, 4:153-8 The sea otter ZR 94(18):32.</p> <p>M</p>	<p>Norris, C.B. (1957) 59-7428 <u>Nat.Hist., N.Y.</u>, 66:38-9 The porpoise with a purpose ZR 94(18):43.</p> <p>M</p>

Scheffer, V.B. (1957) 59-7429
Bull.mamm.Soc.Brit.Is., (8):9-10
Population of the Alaska fur-seal
herd

ZR 94(18):52.

M

Kozicka, J. (1957) 59-7432
Acta parasit.polon., 5(13/21):505-9
Lamproglena pulchella Nordmann (1832)
w Polsce (Lamproglena pulchella
Nordmann, 1832, in Poland). En

BA 33(3)11800.

F

Weir, T. (1957) 59-7430
Field, 210:928-9
Where the seals come ashore

ZR 94(18):61.

M

Prost, M. (1957) 59-7433
Acta parasit.polon., 5(13/21):299-395
Monogenoidea skrzeli ryb Wisly
(Monogenoidea of gills of fishes of
Vistula). En

BA 33(3)11910.

F

Singer, B. (1958) 59-7431
Boston, Houghton Mifflin Co., 232 p.
Living silver

BA 33(3)8890. American edition of
571479.

M

Jain, S.L. (1958) 59-7434
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Aas, H.W. (1959)		7258	Ben-Ari, A. (1959)	7242	7243
Abell, D.L. (1959)		7286	Bennett, H.J. (1958)		7377
Abraham, G. (1959)		7191	Bentley, W.G. (1959)		6809
Abrikosov, G.G. (1959)		7270	Benton, A.H. &		
Adamczak, F. (1958)		7441	W.E. Verner, Jr. (1958)		7301
Adams, E. &			Berry, F.H. (1958)		6729
R. Fagot (1959)		7392	Bigej, R.G. (1959)		7094
Adams, R.D. (1958)		6647	Bilton, T.H., M.P. Shepard &		
Albrecht, F.H.W. (1958)		6974	D.W. Jenkinson (1959)		7225
Aleksandrova, K. (1957)		7127	Birmingham University (1957)		7273
Alikunhi, K.H. (1958)		6960	Birmingham University (1958)		7275
Allen, D.L. (1958)		6653	Bitners, I. (1959)		6800
Allen, P. (1959)		7307	Bitterman, H.E. (1957)		7217
Allen, R. &			Bitterman, M.E. &		
W.T. Neill (1957)		7412	J. Vodinsky (1959)		7363
Alvord, W. (1958)		6713	Bjerknes, J.A.B. (1959)		7192
American Meteorological			Black, W.A. (1959)	7231	7233
Agency (1959)		6983	Blondin, J. (1959)		7203
American Meteorological			Bogorov, B.G. (1958)		6782
Society (1959)	6967 6976	6980	Bold, W.A. (1959)		7308
Anantaraman, S. &			Bone, Q. (1958)		7121
S. Krishnaswamy (1958)		6952	Boney, A.D. &		
Anderson, K.H. &			E.D.S. Corner (1959)		6624
J. Shapiro (1957)		7413	Bonner, W.N. (1958)		7119
Angelescu, V., F.S. Gneri &			Booolootian, R.A. (1957)	7414	7415
A. Nani (1958)		7268	Borchert, H. (1959)		7179
Anthony, E.H. (1957)		6945	Bose, B. (1957)		7007
Ardiwinata, R.O. (1957)		7004	Bougis, P. (1959)		6837
Armstrong, W.W. (1958)		6658	Boulanger, J.M. (1959)		7315
Arnon, D.I. (1958)		6817	Bourne, N.F. (1959)		6734
Atkins, D. (1959)		6631	Braemer, W. (1959)		7364
Atz, J. (1959)	7357	7358	Brandhorst, W. (1959)		6840
Atz, J.W. &			Brattstrom, B.H. (1959)		7387
G.E. Pickford (1959)		7187	Brawn, V.H. (1959)	7350	7366
			Bridges, C.H. (1959)		7082
Bailey, J.E. (1958)		6710	Brook, A.J. (1958)		6951
Bailey, J.E. (1959)		7088	Brooks, N.H. (1959)		7193
Bailey, R.M. (1959)		7087	Bross, M.G. (1959)		7083
Baker, S.J.K. (1958)		7373	Brown, A.D. (1957)		6884
Baldwin, E. (1958)		6784	Brown, F.A., Jr. (1958)		6789
Banerjee, S.M. (1957)		7044	Bruijns, M.F.M. (1959)		7336
Barch, S.H. &			Brumsted, H.B. (1958)		6664
J.R. Shaver (1958)		6707	Buckley, J.L. (1957)		6659
Bardach, J.E. (1959)	7050	7220	Bullen, K.E. (1959)		7323
Barigozzi, C. (1958)		6830	Bullock, T.H. (1958)		6785
Barnard, J.L. &			Bultitude, K.H. (1957)		7285
O. Hartman (1959)		6888	Bumpus, D.F. (1959)		7406
Barnes, H. (1958)		6779	Burd, A.C. (1959)		6675
Barnes, H. (1959)	6641	6759	Burkill, D.M. (1958)		6643
Basrur, P.K. (1958)		6733	Burrows, R.E. (1959)		7094
Bastl, I. (1959)		7317	Burt, W.V., W.B. McAlister &		
Basu, S.P. (1959)		6797	J. Queen (1959)		7294
Batchelor, J.H. (1959)		7172	Burton, M. (1957)		7416
Beer, C.C. (1959)		7394	Buzzati-Traverso, A.A. (1958)	6769	6835
Beever, C. &			Bystedt, J., L. Svenne &		
K. Ruud (1959)		7261	H.W. Aas (1959)		7258

Caldwell, D.K. (1959)	6871	Collins, G.B. (1959)	7368
Caldwell, D.K. et al. (1959)	6870	Combs, B.D., R.E. Burrows & R.G. Digej (1959)	7094
Caldwell, D.K. & A. Carr (1957)	7376	Cook, A.H. & C.F. Powers (1958)	6663
Caldwell, D.K., A. Carr & L.H. Ogren (1959)	6868	Cooke, Wm.B. (1959)	7289
Caldwell, D.K., J.N. Layne & J.D. Siebenaler (1957)	7417	Cope, O.B. & P.F. Springer (1958)	6654
California University. Scripps Institution of Oceanography (1959)	6753	Corchug, Z. (1957)	6931
Calvin, M. (1959)	7223	Corner, E.D.S. (1959)	6624
Campbell, H.J. (1959)	7092	Council for Scientific & Industrial Research (1959)	6740
Campbell, R.S. (1959)	7080	Cozart, C.E. (1959)	7098
Cao-Thiên-Buu (1957)	7009	Cragg, J.B. (1959)	7157
Carlander, K.D. (1959)	7330	Craig, R.E. (1959)	7238
Carlisle, D.B. (1959)	6636	Croome, A. (1959)	6995
Carr, A. (1957)	7376	Crossman, E.J. & P.A. Larkin (1959)	7081
Carr, A. (1959)	6868	Cummins, K.W. (1959)	7345
Carter, B.T. (1957)	6709	Cushing, D.H. (1959)	6676
Carter, N.C.C. (1957)	6944	Cushing, D.H. & A.C. Burd (1959)	6675
Castell, C.H., J. Dale & M.F. Greenough (1959)	6799	Czubak, W. (1957)	7159
Centro de Cooperación Científica de la UNESCO para América Latina (1958)	6736	Dale, J. (1959)	6799
Cerf, F.R. (1957)	7220	Danielewski, S. (1957)	7163
Cerf, J.A. (1957)	7215	Darbyshire, J.F. (1958)	6745
Chaine, J. (1958)	6613	Darnell, R.M. (1959)	7342
Chaloner, W.G. (1959)	7154	Davison, V.E. (1957)	7005
Chang, C.W. (1959)	6942	Dawson, E.Y. (1959)	6833
Chanin, G. & R.P. Dempster (1958)	7116	De Angelis, C.M. (1958)	6839
Chapin, H. (1958)	6850	de Godoy, H.P. (1957)	7378
Chari, S.T. (1957)	7165	De Graaf, F. (1959)	6898
Chari, S.T. & R. Venkatraman (1957)	7166	de Jesus, A. (1957)	7013
Chatwin, B.H. (1959)	6816	Demel, K. (1959)	6939
Chile. Ministerio de Agricultura. Departamento de Fomento de Pesca y Caza (1958)	6864 6865 6866	Demir, H. (1959)	7266
Chin, E. (1959)	7104	Demir, N. (1959)	7267
Chipman, R.K. (1959)	7293	Dempster, R.P. (1957)	7114
Chittleborough, R.G. (1959)	7318	Dempster, R.P. (1958)	7116
Chiu, B.T. (1957)	7033	Deufel, J. (1958)	6882
Cianfioconi, F. & M. Riatti (1957)	7141	Deutsches Hydrographisches Institut (1958)	6981
Clark, E. (1959)	7354	De Villafranca, C.W., T.S. Scheinblum & D.B. Philpott (1959)	7060
Clark, J.R. (1957)	6757	de Sylva, E.R.A. (1957)	7032
Clarke, A. (1957)	6996	Dickie, L.H. (1959)	7089
Clay, W.M. & B.T. Carter (1957)	6709	Dickson, W. (1958)	7411
Cole, B.T., H.J. Bennett & J.D. Miller (1958)	7377	di Giovanni, M.V. (1957)	7140
Cole, G.A. (1957)	6735	Dimitrov, M. (1957)	7131
Cole, H.A. & G.D. Waugh (1959)	6682	Dimov, Iv. (1957)	7128
		Dingle, J.R. (1959)	6801
		Djajadiredja, R.R. (1957)	7021
		Dobie, J. (1959)	7106
		Dolan, T., C.B. Murtz & C.H. Bridges (1959)	7082
		Donaldson, J.R. (1959)	7075

Donaldson, L.R., P.R. Olson & J.R. Donaldson (1959)	7075	Fuchs, V.R. (1957)	7400
Douglas, N.H. (1958)	6806	Fukataki, H. (1959)	7068
Drach, P. (1958)	6773 6833	Galligan, J.P. (1959)	6809
Dreosti, G.M. & W. Wesemann (1958)	6704	Gal'perin, E.I. & I.P. Kosminskaia (1958)	6917
Duarte-Bello, P.P. (1959)	6872	Galtsoff, P.S. (1957)	6754
Dunbar, C.E. (1959)	6377 7096	Gameson, A.L.H. & A.B. Wheatland (1958)	7257
Dussart, B. (1957)	6712	Ganapati, P.N., D.G.V. Prasada Rao & M.V.L. Rao (1959)	6998
E.P. (1959)	6928	Gennerich, J. (1958)	6880
Earp, B. (1958)	6857	George, J.L. (1957)	6655
Eber, L.E. (1959)	7199	Gerhardsen, G.M. (1959)	7248
Eddie, G.C. et al. (1959)	7254	Ghana Government (1958?)	6873
Edminster, F. (1959)	7331	Giannotti, F.S. & M.V. di Giovanni (1957)	7140
Ehrlich, S. (1957)	7418	Gibson, F.A. (1959)	6681 6683
Eibl-Eibesfeldt, I. (1959)	6894	Gneri, F.S. (1958)	7268
Eipper, A.W. & H.B. Brumsted (1958)	6664	Goldie, E.H. (1959)	6627
Ellis, C.H. (1958)	6856	Golley, F.B. (1959)	7328
Ericson, D.B. (1959)	7181	Goodhart, C.B. (1959)	6764
Laguerra, R.S. (1957)	7015	Goodnight, C.J. (1959)	7343
Everhart, W.H. (1958)	6721	Gopalakrishnan, V. (1957)	7145
Fagot, R. (1959)	7392	Gottlieb, E. (1959)	7371
Falconer, D.S. (1959)	7206	Grabda, J. (1958?)	6750
Ferguson, E., Jr. (1958)	7442	Graham, C.J. (1957)	6665
Fields, P.E. (1957)	7214	Grasset, O. (1957)	6932
Filice, F.P. (1958)	6689	Grayce, R.L. (1957)	7420
Finger, G.L. & P.E. Fields (1957)	7213	Greenberg, B.S. (1959)	7352
Finza Perestrelo, J. (1959)	6649	Greenfield, L. et al. (1958)	6965
Fish, G.R. (1957)	7034	Greenough, M.F. (1959)	6799
Fish, G.R. (1959)	7338	Griffiths, J.W.R. (1958)	7280
Fisher, E.L. (1958)	6992	Griffo, J.V., Jr. (1957)	7421
Fisher, L.R. & E.H. Goldie (1959)	6627	Gross, J. (1959)	7058
Fleming, R.H. (1959)	7305	Guhl, A.W. (1958)	6711
Fletcher, T.J. (1959)	6997	Gunther, A.E. (1959)	7309
Flood, E. (1958)	7409	Gurzęda, A. (1957)	7158
Fogg, G.E. (1959)	7155	Gushchin, V.F. (1958)	6916
FAO (1959)	7171	Guzman Barron, E.S. (1958)	6786
FAO. Fisheries Division (1957)	7041	Hagmeier, E. (1957)	6972
FAO. Fisheries Division, Biology Branch (1957)	7040	Hallam, J.C. (1959)	6796
Forbes, A. et al. (1958)	7219	Hamada, S. & T. Ino (1957)	7372
Forrester, W.D. (1958)	7183	Hammond, R.J. (1959)	7399
Forster, G.R. (1959)	6633	Hamoir, G. (1958)	7144
France. Office de la Recherche Scientifique et Technique Outre-Mer (1959)	6845	Hane, S. (1959)	6688
Fraser, F.C. (1957)	7419	Hanson, P. (1959)	7210
Freeman, B.O. (1959)	6890	Hardy, A.C. (1958)	6783
Fridriksson, A. (1959)	6667 7250	Harrison, R.J. (1957)	7422
Frost, W.E. & C. Kipling (1959)	6679	Harrisson, T. (1957)	7423
		Hartman, O. (1959)	6888
		Hartman, W.L. (1958)	7113
		Hasler, A.D. (1958)	6822
		Hatanaka, M. & M. Kosaka (1959)	7320

Haws, T.G. & C.J. Goodnight (1959)	7343	IFPC (1957)	7003	7037	7042	7043
Hay, K. (1958)	6660		7049			
Hayashi, S. (1957)	7012 7379	IFPC (1958)				6748
Heard, W.R. (1958)	6703	IFPC (1959)				7174
Heg, H.T. (1958)	6855	Inland Fisheries Trust				
Heiliger, D.B. (1959)	7103	Incorporated (1957)				6814
Henderson, C., Q.H. Pickering & C.M. Tarzwell (1959)	7072	Inland Fisheries Trust				
Hennemuth, R.C. (1959)	7001	Incorporated (1958)				6815
Hensley, M.M. (1957)	6603	Ino, T. (1957)				7372
Hepher, B. (1959)	7241	IHB (1959)				7237
Herald, E.S. & R.P. Dempster (1957)	7114	Irwin, W.H. (1959)				7102
Herman, E. et al. (1959)	7339	Isaac, W.E. (1959)				7064
Hess, E.H. (1959)	7177	Iatoshin, Iu.V. (1957)				6984
Hickling, G. (1957)	7424	Ito, H. (1958)				6979
Hickman, C.P., Jr. (1958)	6732	Ivanov, L.S. (1957)				7124
Hill, R.A. (1959)	7194	Iverson, J.L. (1958)				6701
Hirata, H. (1957)	7011	Iwata, F. (1957)				6731
Hirst, E.L. (1958)	6613	Iyengar, S.R., V.C. Krishnan & V.V. Kelkar (1957)				7146
Hjul, P. (1959)	6925	Jain, S.L. (1958)		6932		7434
Holmes, R.W. (1959)	7190	Japan. Meteorological				
Holt, S.J. (1959)	6685 7246	Agency (1957)				6982
Holt, S.J. et al. (1959)	6671	Jarnefelt, H. (1958)				6726
Honma, H. & T. Kamimura (1957)	7023	Jarrett, H. (1958)				7327
Ho, d, D.W. (1958)	6684	Jebsen, J.W. & G. Hamoir (1958)				7144
Hoopes, D.T. (1959)	7090	Jenkinson, D.W. (1959)				7225
Hopkins, D.M. (1959)	7304	Jensen, A.C. (1958)				6879
Hopkins, W.L. (1957)	6666	Jitts, H.R. (1959)				7234
Hosillos, L.V. (1957)	7022	Job, T.J. (1957)				7008
Houser, A. & H.G. Bross (1959)	7083	Johnson, D.E. (1958)				7221
Houser, A. & W.R. Heard (1958)	6703	Johnson, D.E. & P.E. Fields (1957)				7214
Houston, A.H. (1958)	6715	Johnson, D.S. (1958)				6807
Howie, D.I.D. (1959)	6637	Johnson, J.H. (1958)				6963
Hubbs, C.L. & K.F. Lagler (1958)	6716	Johnson, M.C. & V.E. Davison (1957)				7005
Hubendick, B. (1958)	7449	Johnson, P.O. (1958)				6644
Hubricht, L. (1958)	7450	Johnson, R.G. (1959)				6795
Hulsey, A.H. & J. Stevenson (1959)	7095	Jolas, P. (1958)				6969
Humphrey, G.F. (1959)	6794 7322	Joly, R. (1958)				6617
Hunt, E.I. (1958)	7451	Jones, I.C. (1957)				6686
Hyman, L.H. (1959)	6618	Jones, J. (1959)		7188		7207
		Jones, N.R. (1959)				7255
		Jones, W.H. (1958)				7443
		Judd, W.W. (1958)				6728
Idler, D.R. (1959)	6813	Kabata, Z. (1959)				6622
Idler, D.R. & I. Bitners (1959)	6800	Kafuku, T. (1958)				6909
Idler, R. & Schmidt (1959)	6687	Kalk, M. (1958)				7065
India. Ministry of Food & Agriculture (1958)	6896 6897	Kalk, H. (1959)				7063
India. Zoological Society (1958)	7055	Kamimura, T. (1957)				7023
		Karaman, S.L. (1959)				7265
		Karapetkova, M. (1957)		7125		7126

Kasprzyk, Z. & M. Calvin (1959)	7223	LaFond, D.G. (1959)	7195
Kato, A. & T. Shimomura (1959)	7072	Lagler, K.F. (1957)	6812
Kawamoto, N.Y. (1957)	7029	Lagler, K.F. (1958)	6716
Kawana, T. & S. Koba (1957)	7381	Lake, J.S. (1959)	6904
Kawasaki, N. (1958)	6905	Lambou, V.F. (1959)	7076
Keir, R.S. (1959)	7251	Langlo, K. (1957)	6968
Kelkar, V.V. (1957)	7146	Larkin, P.A. (1959)	7081
Kelly, P.B., R. Reiser & D.W. Hood (1958)	6694	Larson, J.F. (1959)	7153
Kelly, W.H. (1959)	6950	Lauff, G.H. & M.F. Cummings (1959)	7345
Kelly, W.H. & H.A. Loeb (1959)	6949	Laughton, A.S. (1959)	7205
Kendell, R. (1958)	7282	Lary, P. (1959)	7324
Kenyon, K.W. (1957)	7425	Laws, R.H. (1959)	7329
Kes, A.S. (1958)	6765	Layne, J.N. (1957)	7417
Khlopov, V.V. (1958)	6915	Layne, J.N. (1959)	7347
Khvan, A.P. (1958)	6922	Legentsov, A.P. (1958)	6920
Kikawa, S. (1957)	7027	Lenier, R. (1959)	6926 6934
Kimura, S. & Y. Matida (1958)	7112	Lennon, R.E. (1959)	6911
King, J.A. (1958)	7222	Lerner, I.H. (1958)	7057
King, T.A. (1957)	6970	Lewin, R.A. (1958)	6829
Kipling, C. (1959)	6679	Li, H.-L. (1959)	7184
Kirkwood, J.B. (1957)	7382	Li, P. (1959)	7185 7186
Kisch, B.S. (1958)	6616	Libby, W.F. (1959)	7224
Kitaigorodskii, S.A. (1957)	6988	Lindquist, A. (1959)	7313
Kjennerud, J. (1958)	6810	Ling, J.K. (1958)	6903
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Koba, S. (1957)	7381	Little, E.F. (1959)	7196
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Kosaka, M. (1959)	7320	Lomnicki, A. (1957)	7427
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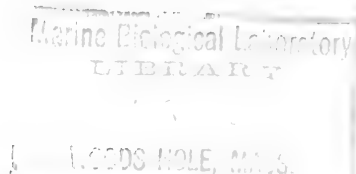
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Sarojini, K.K. (1957)	7031	M.H. Hensley (1957)			6803
Sathyanesan, A.G. (1959)	6999	Sneed, K.E. (1959)			7084
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W. Braemer (1959)	7364	Stock, J.H. (1959)			6899
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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

prepared by
Biology Branch, Fisheries Division

Curr.Bibliogr.aquat.Sci.Fish., 2(9)

Rome, November 1959

containing: taxonomic index 2(7), geographic index 2(7), references and
author index to, 59-7453 - 59-8664

[2.1(2)]



Errata

Please note that taxonomic index 2(6) and geographic index 2(6) are included in 2(8) and not in 2(7) as mentioned on cover sheet.

Please substitute annotation 59-6513 with: "A statistical test to determine accuracy of random sampling of a population. Special reference to a shear-water population is given". FG

Please add to the title 59-6474: "Yugoslavia - Twenty years after".

Please add to the annotation 59-4663: "Brief account of the symposium on "Measurements of primary production in the sea" & of some of the points"

59-4550	Cyptinids	should read	cyprinids
4579	mediterranea	" "	<u>mediterranea</u>
4585	Lxuviella	" "	<u>Lxuviella</u>
4633	orders	" "	families
4653	bigger	" "	lugger
4706	...sk eels	" "	cusk eels
4858	Clupeonellae	" "	<u>Clupeonella</u>
4997	pauloae	" "	<u>paulose</u>
4998	(Mansonioides)	" "	<u>(Mansonioides)</u>
5006	memertean	" "	nemertean
5265	Urosalpinx	" "	<u>Urosalpinx</u>
5314	LF	" "	G
5376	Daphniidae	" "	Daphniidae
5380	Gonaf	" "	Gonad
5388	<u>Eichhornia</u>	" "	<u>Eichhornia</u>
5409	nets	" "	sets
5407	F	" "	
5496	lineata	" "	<u>lineata</u>
5518	Copeoptera	" "	Coleoptera
5580	Chironomides	" "	chironomids
5608	<u>Ichthyomyzon</u>	" "	<u>Ichthyomyzon</u>
5614	Eighty	" "	Eight
5621	sale	" "	sole
5651	<u>Kinorhyncha</u>	" "	<u>Kinorhyncha</u>
5639	1199-100	" "	1:99-100
5837	Age, T.	" "	Abe, T.
5997	(page 37)	" "	59-5897
6022	<u>Maxistoma</u>	" "	<u>Maxostoma</u>
6062	<u>Osteocheilus</u>	" "	<u>Osteochilus</u>
6185	metidjensis	" "	<u>metidjensis</u>
6196	Physa	" "	<u>Physa</u>
6196	Melanopsis	" "	<u>Melanoopsis</u>
6233	(Gastropoda, holothurian	" "	(Gastropoda, holothurian)
6452	<u>Anquilla</u>	" "	<u>Anquilla</u>
6581	Burm	" "	Burma

Please delete numbers 59-2548 & 59-3461.



Addenda

Koster, W.J. (1957) 570924
Univ. New Mexico Press, Albuquerque,
116 p.
Guide to the fishes of New Mexico

A preliminary account of the fishes of New Mexico, published pending the completion of a detailed study in preparation by the author. The present publication is indicated as intended for popular use, & is undocumented.

:clh

MF

Fox, D.L. (1957) 570543

In 570208:367-85
The pigments of fishes

A general review. (issued as: Contr. Scripps Instn Oceanogr., (919), 1958).

FAO:sjh

MF

Chhapgar, B.F. (1957) 59-1263
J.Bombay nat.Hist.Soc., 54(3):503-49
On the marine crabs (Decapoda: Brachyura) of Bombay State - II.

BA 32(12)42551. Second of a 2-part work, 3 families, 12 genera & 27 spp. are considered. Synonymy, description & distribution are given for each. A key for 81 spp. Geographic distribution & ecological adaptations discussed.

:ba

M

Zobell, C.E. & 571851
R.Y. Morita (1957)
J.Bact., 73(4):563-8
Barophilic bacteria in some deep sea sediments

Bacterial populations ranging from 10^3 to 10^6 per g of wet mud were demonstrated in several samples taken from depths of 7,000 to 10,000 m. or more. (issued as: Contr.Scripps Instn Oceanogr., (913), 1958).

FAO:cez

M

Travassos, H. & 59-2097
S.Y. Pinto (1957)
Bol.Mus.nac.Rio de J., (169):16 p.
Ictiofauna de Pirassununga - III.
Família Cichlidae (Perciformes, Actinopterygii (Ichthyofauna at Pirassununga - III. Family Cichlidae - Perciformes, Actinopterygii)

BA 32(12)42510. Detailed redescription of Crenicichla jaguarensis & Geophagus brasiliensis captured in Rio Mogi-Guaçu.

:sjh

F

Arnoult, J. (1957) 59-2683
Bull.Mus.Hist.nat., Paris, 29(6):464-6
 Sur quelques poissons rares et peu connus des eaux douces de France (Concerning some rare and little known fish from the fresh waters of France)

BA 32(12)42497. Discussion of Misgurnus fossilis, several spp. of Cyprinodon & Fundulus hispanicus.

:ba

F

Guibé, J. & J. Spillmann (1957) 59-3225
Bull.Mus.Hist.nat., Paris, 29(6):462-3
 Au sujet de quelques types de cyprinidés (Poissons) de Cuvier et Valenciennes (Concerning some types of cyprinids, fish)

BA 32(12)42502. Osteochilus vittatus (C. & V.) & O. hasseltii (C. & V.) are identical. Leuciscus presbyter is a synonym of Barbus amphibius.

:ba

F

Bauchot, M.-L., R. Bauchot & P. Laubet (1957) 59-2723
Bull.Mus.Hist.nat., Paris, 29(5):385-406
 Etude de la faune ichthyologique du Bassin d'Arcachon (Gironde) (Study of the fish fauna of the Basin of Arcachon)

BA 32(12)39487. Fishes are listed, together with notes on synonymy & ecology. Various zones & ecological communities are described.

:ba

MF

Guinot, D. (1958) 59-3226
Bull.Mus.Hist.nat., Paris, 30(3):276-84
 Sur une collection de décaodes brachyours (Portunidae et Xanthidae) de l'Ile Mayotte - II. Xanthidae (On a collection of brachyuran decapods, Portunidae & Xanthidae, from Mayotte Island - II. Xanthidae)

BA 33(12)47284. Annotated report on 5 spp. in 4 genera from the Island of Mayotte.

:ba

M

Greenwood, P.H. (1957) 59-3215
Uganda J., 21(2):191-219
 The fishes of Uganda - IV.

BA 32(12)42501. Concluding part, dealing with the order Microcyprini, Percomorphi, Opisthomi. Diagnoses of families & genera, keys where required descriptions of spp., native names, notes on economic importance, ecology, or habitats, data on food & breeding where known, & distribution.

:ba

F

Forest, J. (1958) 59-3403
Bull.Mus.Hist.nat., Paris, 30(3):285-90
 Les pagures du Viet-Nam - II. Sur quelques espèces du genre Calcinus Dana (The hermit crabs from Viet-Nam - II. On some species of the Calcinus Dana)

BA 33(12)47280. C. vachoni, C. pulcher & C. aff. spicatus are described.

:ba

M

Wells, M.J. & 59-6172
J. Wells (1958)
J.exp.Biol., 35(2):337-48
The effect of vertical lobe removal on
the performance of octopuses in
retention tests

BA 32(12)39479. Following removal of
lobes from their brains, octopuses
required more trials to attain a
prescribed standard of accuracy of
response in a learned tactile
discrimination than did controls.
Concluded vertical lobe enhances effect
of experiences during establishment of
memories, but does not contribute to
their maintenance.

:ba

M

Finger, G.L. & 59-7213
P.E. Fields (1957)
Tech.Rep.U.Wash.Sch.Fish., (34):25 p.
The role of light adaptation on
negative phototaxis in silver
(Oncorhynchus kisutch)

FA 33(1)511.
SFA 3(3)1864. Eighty-four groups of
25 yearling salmon were each given 3
successive trials to a light guiding
situation in flowing water to
determine the extend of light
avoidance when each of 3 light barrier
illuminations were paired, in 7
combinations, with different
environmental brightnesses.

:sfa

MF

Williams, F. (1958) 59-5410
Ann.Mag.nat.Hist., 1B(6):369-430
Fishes of the family Carangidae in
British East African waters

Thirty spp., one new, of 12 genera are
described from Kenya, Tanganyika &
Zanzibar. Genera & sp. keys are given
& ecological distribution & taxonomic
notes.

FiB:hr

M

Johnson, D.E. & 59-7214
P.E. Fields (1957)
Tech.Rep.U.Wash.Sch.Fish., (35):56 p.
The application of certain
conditioning and handling techniques
to the guidance of downstream migrant
salmon

PA 33(1)526.
SFA 3(3)1865. Effects on light
avoidance behavior of yearling
Oncorhynchus kisutch of anesthetization,
tattooing, exposure to dim light &
to pulsed A.C. electroshock singly &
paired in conditioning situations were

Smith, J.L.B. (1958) 59-6744
S.Afr.J.Sci., 54:319-22
Rare fishes from South Africa

Rare spp. described & ill.: Cubiceps
squamiceps, Remilegia australis, Laguta
cingalensis, Tydemania investigatoris &
Malthopsis lutea.

FAO:hr

M

59-7214
(Card 2)
studied in a circular tank & a
shuttlebox apparatus.

:sfa

MF

DiCostanzo, C.J. (1957) 59-2674
Iowa St.Coll.J.Sci., 32(1):19-34
Growth of bluegill, Leromis macrochirus,
and pumpkinseed, L. gibbosus, of Clear
Lake, Iowa

SFA 3(3)1817. Age & growth
determinations from scales collected
from 1947 to 1954.

:sfa

F

Ross, R.D. (1958) 59-2492
Tech.Bull.Va agric.Exp.Sta., (136):20 p.
Races of the cyprinid fish: Campostoma
anomalum pullum (Agassiz) in eastern
United States

SFA 3(3)1753. Named for the streams they
occupy: the Upper Allegheny River race,
Upper Genesee River race, Upper
Susquehanna River race, & Upper Fall
Creek subrace.

:sfa

F

Hartman, W.L. (1958) 59-7113
N.Y.Fish Game J., 5(2):205-12
Estimation of catch and related
statistics of the stream rainbow trout
fishery of the Finger Lakes region

SFA 3(3)1751. Creel census conducted
during opening week of stream fishing
in 1955, 1956, & 1957. Estimates of
total catch & related statistics were
derived from the collected data. Data on
distribution of fish among successful
fishermen permitted evaluation of
present creel limit.

:sfa

F

Beadle, L.C. (1958) 59-3062
J.exp.Biol., 35:556-66
Measurement of dissolved oxygen in
swamp waters. Further modification of
the Winkler method

SFA 3(3)1702. Modification of the
iodine-difference method is
described which involves a preliminary
clarification of a single sample, from
which two smaller samples were
siphoned. This makes possible
estimations on extremely muddy &
polluted water & avoids an error in
the standard iodine-difference method
which is very large with highly
polluted waters.

:sfa

F

Morris, R. (1958) 59-5531.
J.exp.Biol., 35:649-65
The mechanism of marine osmoregulation
in the lamprey (Lampetra fluviatilis
L.) and the causes of its breakdown
during the spawning migration

SFA 3(3)1703. Describes experiments.

:sjh

MF

Sundnes, G., T. Enns & 59-5532
P.F. Scholander (1958)
J.exp.Biol., 35:671-6
Gas secretion in fishes lacking rete
mirabile

SFA 3(3)1701. Studied in 3 spp. of
salmonids, one of which accumulates
both nitrogen & oxygen against
considerable gradients, while the
other 2 accumulate only nitrogen.

:sfa

MF

Beatty, L.D. & 59-2569
F.F. Hooper (1958)
Pap.Mich.Acad.Sci., 43:89-106
Benthic associations of Sugarloaf
Lake

SFA 3(3)1682. Samples of bottom fauna,
submerged plants, & bottom soil were
collected at 22 stations within the
littoral zone of this shallow eutrophic
lake in Washtenaw County. Chara was the
predominant submerged plant. Najas &
Potamogeton were important.

:sfa

F

Reish, D.J. (1957) 571329
Industr.Wastes, 2:114-8
Effect of pollution on marine life

SFA 3(3)1902. Consolidated Slip &
East Basin area of Los Angeles
Harbour was dredged in 1953. Between
1951 & 1955 physical, chemical &
biological surveys were carried out
so that analytical data for
conditions before & after dredging
were available.

:sfa

M

Bersamin, S.V. (1958) 59-2969
Pap.Mich.Acad.Sci., 43:107-18
A preliminary study of the nutritional
ecology and food habits of the chubs
(Leucichthys spp.) and their relation
to the ecology of Lake Michigan

SFA 3(3)1683. Stomach analyzed.

:sfa

F

Cole, G.A. (1957) 59-6735
Trans.Ky Acad.Sci., 18(2-3):29-39
Some epigeon isopods and amphipods
from Kentucky

BA 32(8)28783. Aquatic spp. were
collected from 85 stations over a
period of 3 years. Lirceus, Asellus,
Synurella, Crangonyx, Gammarus &
Hyaella. Some characters useful in
identification, & certain ecological
observations are presented.

:ba

F

Pentelow, F.T.K. et al. (1957) 571249
Surveyor, Lond., 116:986-8
Sewage effluents and their effect on
fish

SFA 3(3)1901. Experiments to determine
the effects in the River Colne are
described. An analysis of the effluent
is given in a table. Effects on fish
living in effluent of low oxygen
content, high carbon dioxide content,
the presence of un-ionized ammonia,
synthetic detergents, & metals are
discussed.

:sfa

MF

Halstead, B.W. et al. (1958) 59-3211
Ann.Mag.nat.Hist., 10(118):767-8
On the morphology of the 'hairs' of
the rare deep sea fish, Mirapinna esau

BA 32(8)28954. Small section of the
skin was embedded & sectioned. A
description based on microscopic
examination is given.

:ba

M

Cole, G.A. (1957) 59-4511
Trans.Ky Acad.Sci., 18(4):88-101
Studies on a Kentucky knobs lake - III.
Some quantitative aspects of the net
plankton

BA 32(12)39559. Plankton populations
were studied through examination of
profundal sediment & net collections
during the first 10 years of the
existence of the lake.

:ba

F

Schultz, L.P. (1958) 59-6706
Proc.U.S.nat.Mus., 108(3405):321-9
Three new serranid fishes, genus
Pikea, from the Western Atlantic

BA 33(10)39536. P. cubensis from
Cuba & the Bahama Islands; P.
mexicanus mexicanus from the Gulf
of Mexico & P.m. atlanticus from off
Venezuela & the Guianas, are compared
with other genera & spp.

:ba

M

Craddock, J.M. & 59-4862
C.A.S. Lowndes (1958)
Prof.Notes met.Off., Lond., (126):6 p.
A synoptic study of anomalies of
surface air temperature over the
Atlantic half of the northern
hemisphere

Description of the important features
of the 5-day mean temperature anomaly
charts of North Atlantic in relation to
same series of pressure at mean sea
level charts.

TL:tl

M

Smith, J.L.B. (1958) 59-6743
Ann.Mag.nat.Hist., Ser.13, 1(4):247-9
The genus Limnichthys Waite, 1904 in
African seas

BA 33(12)4744. Genus previously known
only from Australia. L. nitidus,
Trichonotidae, is described from a
specimen taken by poison in coral
rubble at low tide mark at Pinda,
Mozambique, with other specimens
taken at Bazaruto & Aldabra.

:ba

M

Tomiyama, I. (1958) 59-5052
Annot.zool.jap., 31(1):49-52
Some rare fishes from Sagami Bay, Japan

BA 32(12)42509. Notes are given to 17
tropical & subtropical fish spp.

:ba

M

Wells, M.J. & 59-6171
J. Wells (1958)
J.exp.Biol., 35(2):324-6
The influence of preoperational
training on the performance of
octopuses following vertical lobe
removal

BA 32(12)39478. Removal of lobe from
the brain of octopuses trained to
make simple tactile discriminations
produces immediate decline in
performance characterized by
reversion towards untrained condition.

:ba

M

Nichols, J.T. (1958) 59-5040
Amer.Mus.Novit., 1876:1-7
A new goby and other fishes from
Formosa (Oxyurichthys formosanus n.sp.)

BA 32(8)28964. Nomenclature of
Konosirus thrissa (Clupea thrissa
Linnaeus) is discussed; Misgurnus,
Hypohamphus, Oxyurichthys.

:ba

M

Willgoos, J.F. (1957) 59-5063
Arb.Naturvitensk.Univ.Bergen, 15:1-13
Some notes on Beryx decalactylus (Cuv.
& Val.) in European waters with a
special account of Norwegian records

BA 32(8)28978. A survey of records;
distribution is reviewed. Recent
captures suggest that it possibly
occurs along a more or less continuous
front on the border of the North
Atlantic.

:ba

M

Pinto, S.Y. (1957) 59-5042
Bol.Mus.nac.Rio de J., 163:1-15
Um novo Clinidae de ilha da Trindade,
Brasil (Actinopterygii-Perciformes)
(A new clinid from Trinidad Island,
Brazil, Actinopterygii-Perciformes)

BA 32(8)28967. Labrisomus trindadensis,
is described, with table of
measurements.

:ba

M

Tampi, P.R.S. (1957) 581304
Proc.Indian Acad.Sci., 46D(4):254-73
Some observations on the reproduction
of the milkfish (Chanos chanos Forskål)

BA 32(8)28974. Morphological &
histological features of the early
& nearly mature testes are described.
The type of spawning in the sp., egg
production, size at maturity &
breeding habits.

:ba

MF



Forward References

Check List, 59-7453 - 59-8664

59-7463	to	59-7681
7464	"	7562
7487	"	7486
7499	"	0332
7676	"	7675
7726	"	7724
7725	"	7723
8185	"	8154
8186	"	8170
8187	"	8171
8188	"	8172
8189	"	8016
8209	"	580140
8210	"	580141
8211	"	580142
8212	"	580143
8213	"	580145
8214	"	580146
8215	"	580147
8216	"	580151
8217	"	580152
8218	"	580153
8219	"	580154
8220	"	580155
8221	"	580156
8222	"	580157
8223	"	580158
8224	"	580159
8225	"	580160
8226	"	580163
8227	"	580164
8228	"	580166
8229	"	580167
8230	"	580168
8231	"	580169
8232	"	580170
8233	"	580172
8269	"	59-8268
8270	"	8269
8362	"	0652
8361	"	0457
8384	"	8380
8387	"	8394
8522	"	585599
8523	"	585597
8524	"	585602
8525	"	585596
8526	"	585610

59- 8521	to	585604
8522	"	585611
8523	"	585603
8530	"	585612
8531	"	585609
8532	"	585606
8533	"	585601
8534	"	585607
8536	"	585598
8537	"	585600
8538	"	585608
8540	"	585605
8541	"	585595
8572	"	59-8571
8574	"	8573
8576	"	8575
8578	"	8577
8584	"	8583
8586	"	8585
8599	"	2032
8600	"	580520
8601	"	59-6759
8603	"	8602
8605	"	8604
8611	"	8610
8613	"	8612

1,00	FISHES, GEN.	5749 5769 5771 5787 5791 5795 5881 5835 5927 5983 6168 6220 6402 6404 6419
1,02	Petromyzon	5216 5608 6035 6302
	PETROMYZONIFORMES	5871
1,04	HETERODONTIFORMES	5704
1,05	HEXANCHIFORMES	5704 5882
1,06	LAMNIFORMES	5704 5882
1,07	Alopias	5790 6425
	Isurus	6425
	Lamna	6117 6425
1,08	Carcharhinus	6425
	Eulamia	6425
	Mustelus	6176 6359
	Prionace	6425
	Pterolamiops	6425
	Scoliodon	6176
	SCYLIORHINOIDEI	5704
	Sphyrna	6425
1,09	Deania	6001
	Laemargus	6423
	SQUALIFORMES	5704 5882
	Squalus	5824 6005 6117
1,10	Raja	6117 6118
	RAJIDAE	5936 6003
	RAJIFORMES	5882
	RHINOBATIDAE	5704
	Rhinobatos	6176
1,11	TORPEDINIDAE	5936
	TORPEDINIFORMES	5882
1,14	Protopterus	6215 6219
1,17	Acipenser	5698 6006
	ACIPENSERIDAE	5783
	POLYODONTIDAE	5783
1,18	Amia	6610
1,21	Albula	5786
	Alosa	6024 6314 6607
	Anchoa	6255
	Brevoortia	6305
	Clupea harengus	6120 6391 6417 6424 6478

1,21	(continued)	
	Clupeonella	6479
	Dorosoma	6019 6022 6407
	Engraulis encrasicolus	5834
	Hilsa	6109
	Sardina	5705 5706 6374 6469
	Sardinops ocellata	6114
	Stolephorus	6426
1,22	Channa	6265
	Chanos	6066 6071 6072 6073 6108
1,23	Coregonus	6029 6398
	Cristivomer	6027 6035 6376
	Onchorhynchus, gen.	6312 6376 6476
	Onchorhynchus gorbusha	6318
	Onchorhynchus kisutch	6011 6025 6031
	Onchorhynchus nerka	6148 6318
	Onchorhynchus tschawytscha	5711 5716 5724 6023 6025
	Onchorhynchus sp.	5639 6313 6489
	Salmo, gen.	6376
	Salmo gairdnerii	5690 5691 5713 5714 5718 5804 6027 6028 6147 6370 6377
	Salmo salar	5776 5779 5801 6384 6385 6471 6475 6476 6481 6488 6489 6491
	Salmo trutta	5712 5713 5714 5779 5849 6027 6246 6248 6472 6476 6491 6492
	Salmo sp.	5689 6266
	SALMONIDAE	6026 6044 6045 6046 6149 6354 6356
	Salvelinus, gen.	6376
	Salvelinus fontinalis	5709 5712 5713 5720 6027 6028 6047
1,24	Esox	5802 5806 6014 6368 6472
1,25	Cyclothone	5838
	Vinciguerria	5707
1,27	Notopterus	5767
1,32	Tarletonbeania	5995
1,36	Gnathonemus	5936
	Mormyrus	5936 6215
1,39	Electrophorus	5936

1,40	Alburnus			5785	1,48	Melanogrammus (cont'd)	5897	5898
	Barbus		6236	6259			5900	5905 5907 5914
	Carassius	5689	6129	6447			5915	5919 6241 6242
	Carpiodes			6022			6422	
	Catostomus			6022		Merluccius bilinearis		5897
	Chasmistes			6013		Microgadus		5824
	Cyclocheilichthys			6068		Phycis		6452
	Cyprinus	5689	5761	5766		Pollachius		5824
		5767	6012	6022 6268				
		6276	6399		1,57	ANBLYOPSIDAE		6608
	Ictiobus		6022	6053		Gambusia		6202
	Labeo			6236		Lebistes	6276	6378
	Leuciscus			5689		Mollinesia	5825	6202
	Megastomatobus			6053		Xiphophorus		6202
	Misgurnus			5689				
	Moroco			5689	1,62	Antigonia		6412
	Moxostoma			6022				
	Notropis	5997		6268	1,65	Membras		6008
	Osteochilus			6068		Menidia		6008
	Pimephales	6015		6268		Mugil	5708	6202
	Puntius			6071				
	Rutilus			6213	1,70	Aplodinotus		6022
	Semotilus			6268		Astroscopus		5936
	Tanichthys			6259		Bairdiella		6210
	Tinca		6135	6396		Cynoscion		6210
						Decapterus		5846
1,41	Ameiurus	5714	5824	6609		Etheostoma		5999
	Bagrus			6215		Hapalogenyis		6208
	Clarias		6202	6215		Lates	5708	6440
	Coreobagrus			6155		Lateolabrax		6208
	Ictalurus	6022	6053	6269		Lepibema		6407
	Mystus			5708		Lepomis	5998 6006 6015	6022
	Parasilurus			5689			6032	
	Pilodictis			6022		Lucioperca	5803 5859	5991
	Saurida			6450		Lutjanus		6211 6303
	Schilbe			6215		Micropogon		6000 6210
						Micropterus	5721 5806 5998	6006
1,43	Anguilla bostoniensis			5824			6033	
	Anguilla sp.	5689	5767	5847 6156		Morone	6014 6181	6407
		6452				Mycteroperca		6306
	Conger		6203	6452		Ocyurus		6210
	Muraenesox			6208		Pagrosomus		6208
1,47	Exocoetus			5837		Perca flavescens	5714 6006	6014
						Perca fluviatilis		5806 6130
1,48	Gadus luscus			6421		Pomoxis		6006 6022
	Gadus minutus			6421		Pristipomoides		5839
	Gadus morhua	5888 5896	5897	5900		Roccus		6006 6020
		5901 5902	5904	to		Sander		5806
		5907 5917	to	5920		Stizostedion	6014 6016	6435
		5923 5924	5925	5920		Therapon		6207
		5930 5931	5934	6241		Tilapia	6216 6217 6236	6273
		6243 6519					6276 6309	
	Gadus poutassou			6421		Trachurus		6114
	Gadus sp.			6421	1,71	Aprodon		6004
	Melanogrammus	5888 5890	5891	5894		Bothrocara		6007

1,71	(continued)					1,99	FISHES, MISC. (cont'd)	5816	5919
	Embryx		6007				5926 5932 6009 6010		
	Lycenchelys		6007				6021 6034 6037 6039		
	Lycodes		6007				to 6043 6047 6048		
	Lycodopsis		6007				6049 6053 6061 6062		
	Lycodapus		6007				6063 6074 6076 6077		
	Pholis		6306				6107 6142 6159 6174		
							6212 6221 6237 6244		
							6255 6278 6284 6289		
1,72	Ammodytes		6611				6304 6317 6324 6328		
	Gymnammodytes		6611				6332 6338 6340 6341		
	Lepophidium		5677				6345 6346 6348 6350		
							6351 6362 6371 6390		
1,74	Acanthurus		5782				6393 6406 6438 6448		
	Naso		5782				6455 6459 6469 6473		
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1,75	Makaira		6451				6518 6522 6585 6591		
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1,76	Anabas	5767	6612			2,00	CRUSTACEANS, GEN.	5749 5769 5791	
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	Osphronemus		5753				6168 6220 6402 6404		
							6419 6477 6509		
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	Eleotriodes		5840				Chirocephalus		5685
	Eutaenichthys		5844			2,05	CLADOCERA	6132 6503	
	Ptereleotris		5842				Daphnia		6157
	Suruga		5845			2,07	Entocythere		6247
	Vireosa		5843			2,10	Candacia		6134
1,78	Peristedion		6452				Mazellina	6408 6409	
	Sebastes	5897 5900 5901 5905					Mytilicola		6413
		5919 5929 5934 6120					Tropoeyclops		6167
		6241 6367				2,12	CIRRIPIEDIA		6115
	Sebastiscus		6208			2,13	Balanus	6116 6137	
1,80	Auxis		6379				Elminius		5828
	Euthynnus	6379 6451 6452				2,16	Septosaccus		5938
	Germc		6451			2,20	Praunus		5830
	Katsuwonus	6379 6426				2,23	Asellus		6514
	Neothunnus	6379 6451					Idotea		6510
	Parathunnus		6451				Jaera		6510
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5,61	Procellaria	6512 6513		Etovarium	6208
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5,89	BIRDS, MISC.	6221		Proserkynchus	6208
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6,16	COELENTERATA	6158 6160	6,49	Aphrodita	6120
6,17	Hydra	5926		Nereis	6122
	Velella	6424	6,50	Myxicola	5687
6,18	Cyanea	6238		Calracina	5687
			6,53	Trocheta	6153
			6,62	HYPEROCHNIDAE	6587
				Operchon	6119
			6,66	INSECTA	6015 6182 6222

6,70	DERMAPTERA	6504	7,84	Asparagopsis	6601
6,71	PLECOPTERA	6133		Bonnemaisonia	6601
6,76	Caenis	6270	7,88	Antithamnion	6601 6603
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6,94	Leptosynapta	6233	9,25	Salvinia	5972
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7,17	Acetabularia	6113			5981 5989
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434	Indonesia	5755 6060	6061 6064		572	Poland	6344	6576 6593
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pollution

BA 33(5):16740.

F

Hedgpeth, J.W. (1959) 59-7487
Science, 129:1668
Dangerous marine animals

Review of 59-7486.

FAO:

M

Whitford, L.A. (1958) 59-7485
J.Elisa Mitchell sci.Soc., 74(2):143-57
Phytoplankton in North Carolina lakes
and ponds

BA 33(5):16744.

SFA 3(3)1719. Data were obtained
largely from net plankton collections
made in all types of still waters in
the 3 physiographic provinces of the
state over a period of more than 10
years.

:sfa

F

Schultz, V. (1959) 59-7488
Misc.Publ.Md agric.Exp.Sta., (359):
38 p.
A contribution toward a bibliography
on game kill and creel census
procedures

Incl. about 170 references in
alphabetical order of authors' names,
on creel census, fish sampling
problems, & recording of catch
statistics. (issued as: Contr.Md
agric.Exp.Sta., (3037))

SJH:sjh

MF

U.K. Ministry of Agriculture 59-7489
 Fisheries & Food (1957?)
Cruise Rep. Fish.Lab.Lowestoft, 34 p.
 R.V. PLATESSA cruise XIX/1957 -
 Release of tagged fish in the Irish
 Sea 1957

Lists, for this research vessel cruise,
 the Gadus merlangus, G. callarias,
Merluccius merluccius & Melanogrammus
aeglefinus marked, the individual
 numbers, places & times of initial
 capture & release, condition & length
 of fish at time of release,
 description of mark, sex of fish.

FiB:sjh

M

Van Oosten, J. (1957) 59-7492
Proc. Annu. Meeting Association of
Midwest Game & Fish Commissioners,
 24:17-22

Exotics and hybrids in fish
 management

Review of the history of
 introductions & discussion of their
 ecological effects & cultural &
 other advantages.

FiB:glk

F

U.K. Ministry of Agriculture 59-7490
 Fisheries & Food (1958?)
Cruise Rep., Fish.Lab.Lowestoft, 27 p.
 R.V. ERNEST HOLT cruise V/1958 -
 Release of tagged cod and haddock in
 the Bear Island and Spitsbergen areas

Lists, for this research vessel cruise,
 the Gadus callarias & Melanogrammus
aeglefinus marked, the individual
 numbers, places & times of initial
 capture & release, condition & length of
 fish at time of release, description
 of mark, sex of fish.

FiB:sjh

M

Lund, O. (n.d.) 59-7493
Travancore, Cochin.
 Fisheries administration and
 legislation

Text of lecture given at training
 centre & surveying public
 administration & legislation in
 Norway.

? ? ? ? ?

FiB:sjh

M

U.K. Ministry of Agriculture 59-7491
 Fisheries & Food (1958?)
Cruise Rep., Fish.Lab.Lowestoft, 17 p.
 R.V. SIR LANCELOT cruise X/1958 -
 Release of tagged fish in the North Sea
 plaice

Lists, for this research vessel cruise,
 the Pleuronectes platessa & Gadus
callarias marked, the individual
 numbers, places & times of initial
 capture & release, condition & length of
 fish at time of release, description
 of mark, sex of fish.

FiB:sjh

M

California. Department of 59-7494
 Fish & Game (1958)
Sacramento, 95 p.
 Forty-fifth biennial report of the
 Department of Fish and Game

Incl. sections on water projects,
 inland fisheries, salmon & steelhead
 trout, marine resources. Appendices
 incl. statistics of landings &
 shipments by spp., lists of projects,
 tagging & rearing plantings.

FAO:sjh

MF

Tarzwel, C.M. (1957) 59-7495
Mimeo Text of Paper published in Proc.
of the 3rd Ontario industr.Waste Conf
for 1956

The use of bio-assay in relation to
the disposal of toxic wastes

Discusses ways bio-assays can be used
by industry & enforcement agencies &
gives some data on toxicities of some
waste materials.

WAD:wcb

F

IPFC (1958?) 59-7498
Bangkok, Thailand, 8 p.
Summary report from the Indo-Pacific
Fisheries Council to the 9th
Conference of the Food and
Agriculture Organization of the
United Nations

Short account of proceedings, budget,
programme & resolutions.

FiB:sjh

MF

U.K. (1958) 59-7496
Command 595 Treaty Ser., (56):28 p.
International Convention for the
prevention of pollution of the sea by
oil, London, May 12, 1954. En Fr

Text of Convention, with annexes
listing prohibited zones & giving
form of oil record book.

FiB:sjh

M

Laurent, A.G. (1958) 59-7499
Contr.Pap. to the I.M.S. 21st Annual
Meeting, M.I.T., Cambridge, August
25-28, 1958, 14 p.

A model for failure data and its
applications, (Preliminary report)

Complete text of 59-0332.
Derives formula & parameter estimation
methods for a model in which the
exponential coefficient of failure -
mortality - itself declines
exponentially.

SJH:sjh

G

U.K. (1959) 59-7497
Command 731 Treaty Ser., (38), 19 p.
Convention for the regulation of the
meshes of fishing nets and the size
limits of fish, London, April 5, 1946,
as amended to November 1958. En Fr

Text of IFC 1946 as amended to
November 1958, supersedes Treaty Ser.,
(8), 1956.

FiB:sjh

F

Japan. Ministry of Agriculture 59-7500
& Forestry. Statistics &
Research Division (1959?)
Mimeo, 8 p.

The digest of the 'gist of survey on
fish catch amount in sea fisheries'

Document submitted for study at
Bombay Centre.

FiB sjh

M

Korea. Office of Marine. 59-7501
Affairs. Bureau of Fisheries (1958)
Contr.Publ. IPFC/C58/CP29, 29 p.
The reports to Technical Committee I.
The 8th session of IPFC, Colombo,
Ceylon

Contains sections on: Taxonomy;
Determining fish age; Standardizing
plankton net; The list of the marine
algae of Korea; The tuna exploratory
fishing operated in the East China Sea
and Indian Ocean; Pollock fisheries in
Korea; Artificial hatching of gray
mullet (Mugil cephalus Linnaeus); The
observation of water pollution in

Union of South 59-7504
Africa (1958)
66 p.
Progress and programme report of the
Union of South Africa to the Food and
Agriculture Organization of the
United Nations: 1955-1957

Incl. chapters on sea & inland
fisheries, dealing with statistics,
trends in pilchard, maasbanker &
mackerel catches, rock lobster, trawl
& line catches, whaling; research
activities.

FAC:sjh

MF

59-7501
(Card 2)
Chinhae Bay; Inland fisheries;
Oceanography; Shrimp demonstration
trawl fishing.

SJH:sjh

MF

Sport Fishing 59-7505
Institute (1959)
Items for Fishery Scientists, July 1959

Incl. notes on the selection of
research problems; a bibliography of
theses on fishery subjects; forth-
coming meetings; various recent
publications.

GLK:sjh

MF

Korea. Office of Marine 59-7503
Affairs. Bureau of Fisheries (1958)
Contr.Publ. IPFC/C58/CP30, 10 p.
Appendix for 2nd Technical Committee

A review of status of fishing industry;
production & trade statistics;
developments in weather for casting,
production & improvement of fishing
gear; credit, subsidy & other financial
aid; plan for future development.

SJH:sjh

M

Sport Fishing 59-7506
Institute (1959)
Items for Fishery Scientists, Aug. 1959

Incl. notes on the establishment of
"American Institute of Fishery
Research Biologists"; construction of
fibreglass aquaria; fishery research
in Wisconsin; new Fish Culture &
Research Unit at Ontario Agricultural
College; some recent publication; post
announcement.

GLK:sjh

MF

Anonymous (1959) 59-7507
mimeo, 42 p.
Food and Agriculture Organization of
the United Nations - Indo-Pacific
Training Centre in fishery statistics,
Bombay, India, 13 February - 30 April
1959 - STC/59/P 14 - Working of the
practical exercises

Lectures notes.

SJH:sjh

M

Crossman, E.J. (1959) 59-7510
J.Fish.Res.Bd Can., 16:247-67
Distribution and movements of a
predator, the rainbow trout, and its
prey, the redside shiner, in Paul
Lake, British Columbia

Diurnal, monthly & seasonal
movements.

GLK:glk

F

Ornstein, E. (1959) 59-7508
Interim Rep. on one Phase of NRL
Problem R02-34 (FB138310)
Attenuation of electromagnetic
radiation by sea water

M

Crossman, E.J. (1959) 59-7511
J.Fish.Res.Bd Can., 16:269-81
A predator-prey interaction in
freshwater fish

Characteristics of predator & prey,
time & place of predation, variation
of its degree & the behaviour of
predator & prey during it, & its
effects, ill. by observations on
Salmo gairdneri Richardson &
Richardsonius balteatus Richardson
in Paul Lake, British Columbia.

GLK:glk

F

Del Grosso, V.A. (1959) 59-7509
Conf. on Physical & Chemical Properties
of Sea Water, Easton, Md, September 4-5,
1958, NAS-NRC, Wash., D.C., 185-97
Speed of sound in pure water and sea
water

M

Hourston, A.S. (1959) 59-7512
J.Fish.Res.Bd Can., 16:283-308
Effects of some aspects of
environment on the distribution of
juvenile herring in Barkley Sound

Description of juvenile behaviour &
consideration of salinity,
temperature, food supply & shelter,
in contrast with water movements in
examination of whether distribution
was the result of passive transport
or active dispersal or migration.

GLK:glk

M

Hourston, A.S. (1959) 59-7513
J.Fish.Res.Bd Can., 16:309-20
The relationship of the juvenile herring stocks in Barkley Sound to the major adult herring populations in British Columbia

Description of the tagging technique & operations report of recoveries & discussion of evidence of a greater tendency on the part of young fish to wander.

GLK:glk

Olsen, S. (1959) 59-7516
J.Fish.Res.Bd Can., 16:339-49
Mesh selection in herring gill nets

A method described by Holt (59-7561) to determine the effect of mesh selection in gill nets, has been applied to a material of herring collected in Newfoundland waters in 1957-58. The method requires simultaneous operation of 2 or more nets, differing slightly in mesh size, but identical in every other respect.

Miller, R.B., A.C. Sinclair 59-7514
& P.W. Hochachka (1959)
J.Fish.Res.Bd Can., 16:321-8
Diet, glycogen reserves and resistance to fatigue in hatchery rainbow trout

Rainbow trout of identical brood stock were raised on 2 diets: one group received a complete dry pelleted ration, the other, ground liver. After 35 weeks the trout were subjected to varying degrees of exercise, following which blood lactate & liver & muscle glycogen were assayed.

GLK:rbm

Sund, F.K. (1959) 59-7517
J.Fish.Res.Bd Can., 16:351-61
The distribution of chaetognaths in the Gulf of Alaska in 1954 and 1956

Zooplankton collections from 2 cruises to the Gulf of Alaska during 1954 & 1956 were studied to determine the spp. of chaetognaths present, to establish their distribution within those waters, & to consider the distribution of the spp. with regard to certain general hydrographic features prevalent in the region at the time the collections were made.

GLK:pms

Golfrey, H. (1959) 59-7515
J.Fish.Res.Bd Can., 16:329-37
Variations in annual average weights of British Columbia pink salmon, 1944-1958

Average weight data of British Columbia pink salmon, Oncorhynchus gorbuscha, since 1944 were made available by the Fisheries Association of British Columbia, & were used to compare annual changes in size among stocks throughout the Province.

GLK:ng

Bridge, J.C. & 59-7518
R. Igami (1959)
J.Fish.Res.Bd Can., 16:363-80
The nemata (Cryptos latipes). A commentary and a bibliography

A summary is presented of the most important attributes of C. latipes, from the standpoint of its usefulness as a laboratory animal. The bibliography gives a fair idea of the extent of Japanese work in such areas as fish physiology (sensu str. etc), embryology, genetics & behaviour.

GLK:dc

Hoy, J. (1959) 59-7519
J.Fish.Res.Bd Can., 16:381-2
 A portable conductivity bridge for
 field use

Wiring diagram with brief description.

Rodhe, W. (1958) 59-7522
Verh.int.Ver.Limnol., 13(1):121-41
 Primärproduktion und Seetypen
 (Primary production and lake
 phytology). En

Results of comparative estimates
 under varying optical & other
 seasonal conditions in high & low
 productive lakes are analysed with
 graphs & tables. Limitations of
 "trophic" terms are discussed.

GLK:glk

MF

SJH:tjj

F

Neave, F. (1959) 59-7520
J.Fish.Res.Bd Can., 16:383-4
 Records of fishes from waters off the
 British Columbia coast

Records of spp. of fish which have not,
 or have only seldom, been reported
 from waters off the British Columbia
 coast. Most of them resulted from high-
 seas fishing operations designed
 primarily to obtain data on the ocean
 distribution of Pacific salmon, the
 gear used being surface gill nets.

Vollenweider, R.A. (1958) 59-7523
Verh.int.Ver.Limnol., 13(1):142-3
 Sichttiefe und Produktion
 (Visibility and production)

GLK:fn

M

SJH:

Elster, H.-J. (1958) 59-7521
Verh.int.Ver.Limnol., 13(1):101-20
 Lake classification, production and
 consumption - Das limnologische
 Seetypensystem, Rückblick und Ausblick
 (The limnological system of types of
 lakes, prospective and retrospective)

Nygaard, G. (1958) 59-7524
Verh.int.Ver.Limnol., 13(1):144-55
 On the productivity of the bottom
 vegetation in Lake Grane Langsø

Gravimetric estimates of dry matter
 of different spp. based on analysis
 of bottom samples collected in 1954 &
 1955 by a cylindrical sampler & of
 rate of production reckoned from
 nurture experiments with constant
 concentration of nutrients ensured by
 supply of water from the natural
 habitat.

SJH:

F

SJH:tjj

F

Kuznetsov, S.I. (1958) 59-7525
Verh.int.Ver.Limnol., 13(1):156-69
 A study of the size of bacterial populations and of organic matter formation due to photo- and chemo-synthesis in water bodies of different types

Discusses results of investigations in Soviet Union waters of different trophy degree, regarding: a) the number & distribution of bacteria & their relation with intensity of matter turnover & b) the bacterial propagation rate as an index of food resources for certain zooplankters. Sulphur

Steinböck, O. (1958) 59-7528
Verh.int.Ver.Limnol., 13(1):181-90
 Grundsätzliches zum "kryoeutrophen" See (Basic information on the "kryoeutrophic" lake)

SJH:

F

59-7525
 (Card 2)
 circulation is dealt with in detail.

SJH:tjj

F

Thomas, E.A. (1958) 59-7529
Verh.int.Ver.Limnol., 13(1):191-5
 Sedimentation und Typeneinteilung des Türlersees (Sedimentation and type classification of the Türler Lake)

SJH:

F

Findenegg, I. (1958) 59-7527
Verh.int.Ver.Limnol., 13(1):170-80
 Trophiezustand und Produktion der Kärntner Seen (Trophic condition on production of Carinthian lakes)

SJH:

F

Ohle, W. (1958) 59-7530
Verh.int.Ver.Limnol., 13(1):196-211
 Typologische Kennzeichnung der Gewässer auf Grund ihrer Bioaktivität (Typological distinction of waters on the basis of their bioactivity).
 En

Oligo- & eudynamic waters are distinguished on basis of biogenic energy flow; specific bioactivity is defined; results of investigations on production of epi- & hypolimnions of the Grober Ploner See & the Kleiner Ukkelsee by direct observation & by the light & dark bottle method are discussed.

SJH:tjj

F

Maucha, R. (1958) 59-7531
Verh.int.Ver.Limnol., 13(1):212-6
 Zur Frage der Produktionsbiologie der
 Seen (On the production biology of
 lakes)

Järnefelt, H. (1958) 59-7534
Verh.int.Ver.Limnol., 13(1):228-35
 On the typology of the northern
 lakes

Discusses chemical & physical factors
 giving rise to different types with
 special reference to Fenno-
 Scandinavian lakes & the criteria of
 classification. Divides lakes into
 groups.

SJH:

SJH:tjj

F

Uéno, M. (1958) 59-7532
Verh.int.Ver.Limnol., 13(1):217-26
 The disharmonious lakes of Japan.
 De

Utermöhl, H. (1958) 59-7535
Verh.int.Ver.Limnol., 13(1):236-51
 Zur Gewässertypenfrage tropischer
 Seen (On the water-types of
 tropical lakes)

Distinguishes acidotrophic - inorganic
 acid - lakes under the influence of
 volcanic action from brown water
 dystrophic lakes the acidity of water
 is due to humic materials. Mentions
 restriction of number of spp. though
 not of individuals in the former type
 & the association of the latter type
 with peat lands, bogs & mountains of
 altitudes above 1,500 m.

SJH:tjj

F

SJH:

F

Ström, K. (1958) 59-7533
Verh.int.Ver.Limnol., 13(1):227.
 Ein See wird durch Klimaänderung
 umgestaltet (The change of climate
 changes a lake)

Larkin, P.A. & 59-7536
 T.G. Northcote (1958)
Verh.int.Ver.Limnol., 13(1):252-63
 Factors in lake typology in British
 Columbia, Canada

Lists regional areas & factors of
 climate, topography, climate & total
 dissolved solids. Results of a series
 of regressions conducted for the major
 factors of T.D.S., dimensions &
 climate & the role of local factors
 are discussed. Emphasizes T.D.S. as
 best single indicator of physical
 environment & stresses the continuous
 variation met with in lakes.

SJH:tjj

F

SJH:

F

Pennak, R.W. (1958) 59-7537
Verh.int.Ver.Limnol., 13(1):264-83
 Regional lake typology in northern
 Colorado, U.S.A.

Limnological characteristics of 6
 types of lakes: 1) non-alkaline, poor
 production; 2) alkaline, high
 production types in the plains; 3)
 foot-hill lakes; 4) drainage; 5) semi-
 drainage types in mountains & 6) lakes
 of the barren alpine zone are
 discussed with special reference to
 calcium, nitrates, phosphates &
 bound CO₂.

SJH:tjj

F

Brook, A.J. (1958) 59-7540
Verh.int.Ver.Limnol., 13(1):298-305
 Changes in the phytoplankton of some
 Scottish hill lochs resulting from
 their artificial enrichment

Effect on plankton of calcium super-
 phosphate in Loch Kinardochy & in 6
 lochs in Sutherland, the fertilizer
 being supplemented in the latter with
 ILL, & the relation between phyto-
 plankton quotient & nutrient status
 are discussed.

SJH:tjj

F

Valovirta, E.J. (1958) 59-7538
Verh.int.Ver.Limnol., 13(1):284-7
 Über die Bodentierbonitierungen im
 Päijänne-See in Finnland (On the
 bottom fauna improvement in the
 Päijänne Lake in Finland)

SJH:

F

Round, F.E. (1958) 59-7541
Verh.int.Ver.Limnol., 13(1):306-10
 Algal aspects of lake typology

Discusses the significance of
 biological factors such as incidence
 of indicator, dominant, indifferent &
 tolerant spp. as supplement to
 physico-chemical factors.

SJH:tjj

F

Brundin, L. (1958) 59-7539
Verh.int.Ver.Limnol., 13(1):288-97
 The bottom faunistical lake type
 system and its application to the
 southern hemisphere. Moreover a theory
 of glacial erosion as a factor of
 productivity in lakes and oceans

Contents as per title.

SJH:tjj

F

Kann, L. (1958) 59-7542
Verh.int.Ver.Limnol., 13(1):311-9
 Der Algenaufruchs in der eulitoral
 Zone alpiner und norddeutscher Seen
 (Algal growth in the eulittoral zone
 of alpine lakes and of lakes in
 Northern Germany)

SJH:

F

Reynoldson, T.B. (1958) 59-7543
Verh.int.Ver.Limnol., 13(1):320-30
 Triclads and lake typology in northern
 Britain - qualitative aspects

From an examination of about 120 lakes,
 categorizes them according to the spp.
 contained & in relation to the
 mineral content of the water especially
 calcium.

SJH:tjj

F

Gajevskaja, N.S. (1958) 59-7546
Verh.int.Ver.Limnol., 13(1):350-62
 Le rôle de groupes principaux de la
 flore aquatique dans les cycles
 trophiques des différents bassins
 d'eau douce (The importance of
 the principal groups of aquatic flora
 in the trophic cycles of different
 freshwater basins)

SJH:

F

Sebestyén, O. (1958) 59-7544
Verh.int.Ver.Limnol., 13(1):331-8
 Quantitative and qualitative changes
 in the plankton of Lake Balaton

Studies of changes in population
 density & biomass based on sample
 series collected for 6 years, 3 in
 1936-38 & 3 in 1947, 1949 & 1951.

SJH:tjj

F

Smirnov, N.N. (1958) 59-7547
Verh.int.Ver.Limnol., 13(1):363-8
 Some data about the food consumption
 of plant production of bogs and fens
 by animals

A study conducted under the Moscow
 Institute of Fisheries on sphagnum
 consumption by larvae of spiders,
 springtails, ants & other insects &
 on the place of moss & eipbioses in
 the food of gastropods, oligochaetes
 & chironomid & other insect larvae.
 The role of fungi in transformation
 of macrophytes & its significance in
 the food chain of invertebrates.

SJH:tjj

F

Margalef, R. (1958) 59-7545
Verh.int.Ver.Limnol., 13(1):339-49
 "Trophic" typology versus biotic
 typology, as exemplified in the
 regional limnology of northern Spain

"Trophic" & biotic communities & bases
 for lake classification, regional
 limnology & a biotic approach to the
 later & the relation between biotic
 communities & productivity are
 discussed.

SJH:tjj

F

Vollenweider, R.A. & 59-7548
 O. Ravera (1958)
Verh.int.Ver.Limnol., 13(1):369-80
 Preliminary observations on the
 oxygen uptake by some freshwater
 zooplankters

Respiration data for Daphnia obtusa,
D. longispina, Sida cristallina,
Cyclops strenuus & Mixodiatomus
lacinatus based on bottle experiments
 in the dark & under varying
 conditions of feeding & growth. The
 influence of physiological conditions
 such as ripeness, preadaption, age,
 body size, food supply & oxygen
 pressure are discussed.

SJH:tjj

F

Wurtz, A. (1958) 59-7549
Verh.int.Ver.Limnol., 13(1):381-93
 Peut-on concevoir la typification des
 étangs sur les mêmes bases que celles
 des lacs? (Can we consider the
 typology of ponds on the same basis as
 that of lakes?)

SJH:

F

Kondracki, J. (1958) 59-7552
Verh.int.Ver.Limnol., 13(1):411-5
 Der Stand der geographischen
 Forschungen der Seen in Polen
 (The state of geographic
 investigations of the lakes in
 Poland)

SJH:

F

Hrbáček, J. (1958) 59-7550
Verh.int.Ver.Limnol., 13(1):394-9
 Typologie und Produktivität der
 teichartigen Gewässer (Typology
 and productivity of pondlike waters).
 En

Relation of quantitative changes in
 dissolved organic nitrogen & total
 phosphorus during warm half year &
 means for different years on one hand
 & in nannoseston during the year & in
 different years on the other. Effects
 of different fishstocks on mean
 standing crops of nanno- & zooplankton.

SJH:tjj

F

Melik, A. (1958) 59-7553
Verh.int.Ver.Limnol., 13(1):416-21
 Die Typeneinteilung der Seen
 Jugoslawiens (Type distinction of
 Yugoslave lakes)

SJH:

F

Stangenberg, M. (1958) 59-7551
Verh.int.Ver.Limnol., 13(1):400-10
 Chemisch-physikalische Ursachen der
 ungeheuren Planktonproduktion im
 Frischen Haff (Chemo-physical
 causes of the enormous plankton-
 production in the "Frisches Haff")

SJH:

MF

Stanković, S. (1958) 59-7554
Verh.int.Ver.Limnol., 13(1):422-35
 Limnologie des lacs karstiques
 (Limnology of the Carso lakes)

SJH:

F

Jolly, V.H. (1958) 59-7555
Verh.int.Ver.Limnol., 13(1):436-8
A preliminary study of some New Zealand lakes

Tabulates morphometric features in conjunction with winter & summer temperature records of certain North & South Island lakes with a graph of temperature profiles of 3 lakes during the hottest period.

SJH:tjj

F

Pehrson, S.O. (1958) 59-7558
Verh.int.Ver.Limnol., 13(1):455-62
Pollution stream improvement by better technics in the pulp and paper industry

A non-technical summary of measures adopted in the sulphite cellulose & sulphate, kraft, cellulose mills in Sweden to reduce pollution effects.

SJH:tjj

F

Wundsch, H.H. (1958) 59-7556
Verh.int.Ver.Limnol., 13(1):439-45
Lassen sich die sogenannten Alterserscheinungen bei Seen als normaler Vorgang in die Typeneinteilung einordnen? (Are the so called aging processes in lakes to be considered as normal processes in the typology?)

SJH:

F

Vallin, S. (1958) 59-7559
Verh.int.Ver.Limnol., 13(1):463-73
Einfluss der Abwässer der Holzindustrie auf den Vorfluter (The influence of waste waters from the wood industry on the outlet channel)

SJH:

F

Shadin, W.I. (1958) 59-7557
Verh.int.Ver.Limnol., 13(1):446-54
Probleme der Bildung des biologischen Regims und der Typologie in künstlichen Seen (Stauseen) (Problems of the formation of the biological regime and the topology in artificial lakes, dams)

SJH:

F

Buliček, J. (1958) 59-7560
Verh.int.Ver.Limnol., 13(1):474-80
Verunreinigung der Flussläufe durch die Zellulosenindustrie in der CSR (River pollution in CSR caused by the cellulose industry)

SJH:

F

Holt, S.J. (1957) 59-7561
Paper presented to the Joint Scientific
Meeting ICNAF, ICES & FAO, Lisbon,
1957, mimeo, (S.15)
 A method of determining gear
 selectivity and its application

Describes a method of determining
 the selection areas for gill-nets &
 lines, & gives examples of its
 application.

:sjh

M

Paloumpis, A.A. (1957) 59-7564
Trans.Ill.Acad.Sci., 50:60-4
 The effects of drought conditions on
 the fish and bottom organisms of two
 small oxbow ponds

Severe drought eliminated fish
 population & macroscopic bottom
 fauna from 2 ponds.

WAD:wcb

F

Klein, L. (1959?) 59-7562
Butterworths Scientific Publications,
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flora of Bokaro Reservoir

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hyacinth (Eichornia speciosa Kunth.)
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Note on the report of the National
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FAO:glk

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Science, 130:331
Taxonomic "descriptions"

Original description of organisms are often difficult to visualize, due to the fact that authors attempt to include the variability of the spp. in the description. Since the scientific name remains associated permanently with the holotype, it is suggested that the description of the holotype - which is a concrete thing - be segregated from the characterization of the sp. - which is conceptual.

FAO:glk

MF

Giletti, B.J. & 59-7676
J.L. Kulp (1959)
Science, 130:274
/Oceanographic phenomena in the Arctic basin/

Discussion of observations by Barnes & Coachman, 59-7675.

FAO:glk

M

Anonymous (1959) 59-7679
Science, 130:490-1
Canadian Oceanographic Institute

Announcement of the establishment of a new Canadian Oceanographic Institute to be known as the Bedford Institute of Oceanography to be situated in the Bedford Basin near Halifax.

FAO:glk

M

Neyman, J. & 59-7677
E.L. Scott (1959)
Science, 130:303-8
Stochastic models of population dynamics

Brief account of 3 distinct stochastic models of dynamic population phenomena analysis. The solution obtained in terms of concept of "elementary mechanisms".

FAO:glk

MF

Anonymous (1959) 59-7680
Science, 130:492-4
AEC gives views on radioactive waste disposal at sea

Excerpts from testimony by A.R. Luedecke, general manager of the Atomic Energy Commission, on the National Academy of Sciences-National Research Council report titled "Radioactive waste disposal into Atlantic & Gulf coastal waters", given before the special subcommittee on Radiation of the Joint Congressional Committee on Atomic Energy.

FAO:glk

M

Verduin, J., E.E. Whitwer 59-7681
& B.C. Cowell (1959)
Science, 130:268-9
Maximal photosynthetic rates in nature

Brief description of experiments to determine the reducing effect of turbulence of the medium in the experimental apparatus. States that the maximal terrestrial photosynthetic rates appearing in literature are considerably lower than maximal rates attained under natural conditions.

FAC:efa

F

Yashouv, A. (1958) 59-7684
Bamidgeh, 10:85-90
Winter culture of carps at the Fish Culture Research Station - Dor.
En Iw

Brief account of experiments on winter culture of carps with & without food & fertilizer. Incl. data on growth.

SJH:efa

F

Yashouv, A. (1958) 59-7682
Bamidgeh, 10:73-5
The Fish Culture Research Station - Dor.
Annual report - 1957. En Iw

General review of activities of station.

SJH:efa

F

Yashouv, A. (1958) 59-7685
Bamidgeh, 10:90-5
The excreta of carp as a growth limiting factor. En Iw

Brief account of experiments carried out to verify effect of excretion of metabolic body wastes on growth of Cyprinus carpio.

SJH:efa

F

Yashouv, A. (1958) 59-7683
Bamidgeh, 10:75-85
Acclimatization of new species in the fishponds of the station. En Iw

Short notes on acclimatization of Ctenopharyngodon idellus (Cuv. & Val.), Catla catla, with a brief report on growth of Megastomatobus cyprinella.

SJH:efa

F

Tillon, R. (1959) 59-7686
Bois For.trop., 64:13-8
Elevage de l'Heterotis niloticus en station de pisciculture (Breeding of Heterotis niloticus in fish-breeding stations)

TA 14(July-Aug.)g2010. Biological study in streams has shown that this sp. may be of interest for fish-breeding. Experiments have been carried out in French Equatorial Africa to determine its conditions of reproduction & growth in ponds. Results obtained confirm interesting piscicultural possibilities.

:ta

F

Kiener, A. (1958) 59-7687
Bull.Madagascar, (148):64 p.
 Une mission de pisciculture en Israël
 (A fish-culture mission to Israel)

Description & considerations on
 author's mission to Israel - from
 Madagascar - to inspect & investigate
 the carp culture establishments there.
 His object being to adapt similar
 establishments in Madagascar, as the 2
 countries are very similar in their
 ecological aspect.

FiB:wcb

F

Saito, I. (1957) 59-7690
Mem.Fac.Fish.Hokkaido Univ., 5(1):90 p.
 Studies on fishing ground, fishing
 gears and fishing technique in one-
 boat medium trawl fishery

M

Lagoin, Y. (1959) 59-7688
Bull.Madagascar, 9(153):95-106
 La pêche côtière malgache dans la
 région de Tuléar (Coastal fishing
 in the Tulear region)

TA 14(July-Aug.)g1846. Description of
 waters round Madagascar & their fish
 population; survey of fishing methods.
 Pearl-shell fishing takes an important
 place but may be detrimental to other
 fishing.

:ta

M

Hartman, O. & J.L.Barnard (1958) 59-7691
Allan Hancock Pacif.Exped., 22(1):67 p.
 The benthic fauna of the deep basins
 off southern California

M

Gruber, R. & 59-7689
 Y. Mathieu (1959)
Bull.Agric.Congo Belge, 50(2):421-35
Hemichromis fasciatus et la
 pisciculture (Hemichromis fasciatus
 and fish culture)

TA 14(July-Aug.)g2011. A small voracious
 fish, very common from Senegambia to
 Angola. In the Belgian Congo it is
 found particularly in the small rivers
 of the East & Equatorial Provinces.
 Description of the spp. & of the
 characteristics by which it is
 distinguished from Tilapia. Discussion
 of the most effective breeding methods.

:ta

F

Masselli, J.W., N.W. 59-7692
 Masselli & M.G. Burford (1958)
Boston, New England Interstate Water
Pollution Control Comm., 40 p.
 Tannery wastes, pollution sources and
 methods of treatment

F

Yashouv, A. (1958) 59-7695
Bamidgeh, 10:21-9
On the possibility of mixed
cultivation of various tilapia with
carp. En Iw

Discusses results of experiments of
mixing carp, Carpio carpio, & Tilapia
galilaea & T. nilotica in fish ponds.

SJH:wcb

F

Glazner, H. (1958) 59-7696
Bamidgeh, 10:32-5
First report on the growth of nutria
in fish ponds and their influence on
destruction of coarse vegetation.
En Iw

Describes use of Nutria to clear
large areas of vegetation from
fish ponds.

SJH:wcb

F

Marek, M. (1958) 59-7694
Bamidgeh, 10:29
A modified fish grader with an
extendable grille. En Iw

Describes fish grader.

SJH:wcb

F

Ehrlich, S. (1958) 59-7697
Bamidgeh, 10:36-43
The biology of the nutria.
En Iw

SJH:x

Sarig, S. (1958) 59-7695
Bamidgeh, 10:30-1
A construction for spraying fishponds
from a boat. En Iw

Contents as per title.

SJH:wcb

F

Yashouv, A. (1958) 59-7698
Bamidgeh, 10:47-52
Biological data on Tilapia galilaea
and Tilapia nilotica in the fish
ponds. En Iw

Deals with reproduction, rate of
growth & nutrition for T. galilaea
& T. nilotica.

SJH:wcb

F

Kitai, H. (1958) 59-7699
Bamidgeh, 10:52-4
Mobile pump for increasing the
oxygen content of the pondwater.
En Iw
Describes use of pump to relieve
oxygen deficiency in fish ponds.

SJH:wcb

F

Brynildson, C. (1958) 59-7702
Wis.Conserv.Bull., 23(5):1-3
What's happening to northern pike
spawning grounds?

Discusses destruction of spawning
grounds of northern pike in
Wisconsin lakes.

WAD:wcb

F

Glazner, M. (1958) 59-7700
Bamidgeh, 10:54-9
Supplement to the report on nutria
culture in fish ponds at Kfar Rupin.
En Iw

Additional information on feeding of
nutria on natural vegetation on the
embankments of ponds, & trapping, &
effect on fish yield.

SJH:wcb

F

Podoll, E. (1958) 59-7703
Wis.Conserv.Bull., 23(8):1-4
Wisconsin farm ponds

Discusses use, design & management
of Wisconsin farm ponds.

WAD:wcb

F

Ehrlich, S. (1958) 59-7701
Bamidgeh, 10:60-70
The biology of the nutria

SJH:x

Harris, R.F. (1958) 59-7704
Wis.Conserv.Bull., 23(10):1-3
Trawling comes to Wisconsin

Use of trawl in harvest of rough
fish especially sheepshead or
freshwater drum.

WAD:wcb

F

Kohler, M.A. (1958) 59-7705
Tech.Note Wld met.Org., (25):
Design of hydrological networks

F

Hyman, L.H. (1959) 59-7708
Proc.U.S.nat.Mus., (3410):543-97
A further study of Micronesian
polyclad flatworms

M

Linsley, R.K. (1958) 59-7706
Tech.Note Wld met.Org., (26):
Techniques for surveying surface-
water resources

F

Smith, W.Campbell (1959) 59-7709
Nat.Hist.Rep.Terra Nova Exped., 2(2):
109-50
The volcanic rocks of Cape Adare,
South Victoria Land

M

Florida State University. The 59-7707
Oceanographic Institute (1958)
Tallahassee, 12 p.
Annual report for the fiscal year 1957-
1958

Staff, facilities, summaries, research
by faculty & visitors; list of
contributions; instruction & courses
given; conferences financial report.
Appendix gives complete list of
publications from 1950, & dissertations.

FiB:sjh

M

Heezen, B.C., M. Tharp 59-7710
& M. Ewing (1959)
Spec.Pap.geol.Soc.Amer., (65):122 p.
The floors of the oceans - I. The
North Atlantic. Text to accompany
the physiographic diagram of the
North Atlantic

M

Treadwell, T.K. (1958) 59-7711

Lilit. Ser., March-April

Photographic survey in the Arctic

Anonymous (1959)

59-7714

Balık Balıkçılık, 7(6):17-21

Fotoğraf Çekmek için yapılan incelemeler

(Photographing the deep sea creatures)

1958-1959

Nemoto, K. (1958)

59-7712

15 p.

(Study of migration of fin whales in the North Pacific according to the diatoms attached to their bodies).

11

Contents as per title.

Slasterenko, E.P. (1958)

59-7715

Bull. Shevchenko sci. Soc., 1(6):3-11

The distribution of freshwater fishes in the provinces and the main water basins of Canada

A table, listing spp. in systematic order, & indicating whether present, introduced, not known, possibly present, in each of 12 provinces & 4 water basins.

11/1/59

1

(11/1/59)

F

Artüz, M.I. (1959)

59-7713

Balık Balıkçılık, 7(6) 8-10

Türkiye sularında orkinozlar ve avcılığı - Kısım III (Tuna in Turkish sea-waters and its catch - Part III)

Brief account of Thunnus thynnus fishing in Turkish waters by tuna traps. Lists locations of traps in the Bosphorus.

SPH efa

Almeida, J. &

59-7716

J. dos Santos Pinto (1957)

Rev. Fac. Sci. Lisboa, Ser. 2, 6C(1):5-14

Evaluation of the average weight of the pilchard (Sardinia pilchardus Walb.) off the Portuguese coasts in the years 1952-1956. Pr

A determination of the regression curve weight/length which was found to satisfactorily adjust to the mean values of the 1st 4 years.

HR:hr

M

Anonymous (1958) 59-7717
Beretn.vedrør.Grønland, (1):53-65
Fiskeribiologiske undersøgelser i 1957
under ledelse af dr. phil.Paul M.
Hansen (Fisheries biological
investigations during 1957 under the
leadership of Dr.Phil. Paul M.Hansen)

Summary of hydrographical
observations, & investigations on the
biology of cod, herring & other
commercial spp. from East & West
Greenland waters.

FiB:tl

I

Palekar, V.C. & 59-7718
D.V. Bal (1957)
J.Timber Dryers' Preserv.Ass.India,
3(2)-2-5
Stray occurrence of crustacean wood
borers in Bombay waters

Records of Limnoria & Sphaeroma spp.
on submerged wood panels.

FiB:sjh

M

Grabda, J. (1958) 59-7719
Wiadomosci Parazyt., 4(5-6):633-6
Developmental cycle of Lernaea
cyprinacea L. En Pl

Study of life history by in vitro
hatching, & artificial infection to
this parasitic copepod, of Gasterosteus
aculeatus, Rhodeus sericeus amarus,
Alburnus alburnus, Tinca tinca &
Carassius carassius.

GLK:sjh

F

IPFC (1958) 59-7720
Occ.Pap.Indo-Pacif.Fish.Coun., (58/2):
5 p.
Fisheries planning and production in
Taiwan

Extracts from report on "Agricultural
Planning and Production", by T.H. Sen,
issued on authority of Committee D,
Economic Stabilization Board. General
notes of biogeography of area; deep-
sea & inland fisheries production;
investments for development,
achievement of plans.

FiB:sjh

MF

IPFC (1958) 59-7721
Occ.Pap.Indo-Pacif.Fish.Coun., (58/3):
4 p.
Expanded Technical Assistance Program
quarterly list of FAO final reports
transmitted to governments as at
31 March 1958

Gives titles, authors, language &
serial numbers of reports on
fisheries projects completed since
initiation of ETAP programme, by
countries.

FiB:sjh

MF

U.K. Treaties, etc. (1958) 59-7722
Comm. (517), Treaty Ser., (33):
Agreement relating to the International
Convention for Regulating the Police
of the North Sea Fisheries signed at
the Hague on May 6, 1882

Reprint of this agreement ratified
by the UK in 1958, to give effect in
respect of the Federal Republic of
Germany, to the agreement originally
signed in 1882.

FAO:glk

M

Anonymous (1958) 59-7723
Arid Zone, 1(1):11-2
Teheran symposium on salinity problems

Announcement of international meeting,
October 1958, agenda of which incl.
discussion of hydrology with reference
to salinity.

FiB:sjh

MF

Anonymous (1958) 59-7726
Arid Zone, 1(2):9-11
Demineralization of saline water

Reports results of activities
described in 59-7724.

FiB:sjh

MF

Anonymous (1958) 59-7724
Arid Zone, 1(1):13-4
Activities relating to the
demineralization of saline water

Reports UNESCO & other international
activities in this field.

FiB:sjh

MF

Anonymous (1953) 59-7727
Arid Zone, 1(2):11-2
International action in the field
of water resources

A short review of situation, with
notes on UN Water Resources Centre,
survey of national hydrologic
services, coordination of activities
in field of surface water hydrology;
terminology relating to water
resources.

FiB:sjh

F

Anonymous (1958) 59-7725
Arid Zone, 1(2):7-8
UNESCO-Iran symposium on salinity
problems

Report of meeting previously
announced, 59-7723. Section on
hydrology & salinity, & demonstration
of saline water incl.

FiB:sjh

MF

Tirado Lamb, G. (1958?) 59-7728
Lima, Consejo de Investigaciones
hidrobiologicas, 12 p.
Informe anual del año 1957
(Annual report for 1957)

Reports on administration &
organization, development of research
programme & miscellaneous items.

FiB:hr

M

American Fisheries Society 59-7729
Meeting, Philadelphia, Pa.
September 8, 1958 (1958)
16 p.

A partial transcript of the
proceedings of the business session

Deals only with matters affecting
membership structure, dues and related
discussion.

FiB:sjh

F

Scottish Home 59-7732
Department (1959)

Freshw.Salm.Fish.Res., (23):15 p.
Tenth annual report of the
supervisory committee for brown trout
research, 1957-1958

Incl. a report on the staff, research
& publications of the Freshwater
Fisheries Laboratory at Pitlochry
Scotland, for the period Nov. 1957-
Oct. 1958; summarizes investigations
on trout, stream improvement, benthos,
phytoplankton, fertilization, & other
chemical studies.

FAO:wad

F

Expert Meeting on Fishery 59-7730
Statistics in the North Atlantic
Area, Edinburgh, Scotland,
22-30 September 1959 (1959)
FAO/ICES/ICNAF - ESTANA/3, 18 p.
Prospectus and program

Agenda, proposed organization of
work.

FiB:sjh

M

Gade, H.G. (1958) 59-7733
J.Mar.Res., 16:61-82

Effects of a nonrigid, impermeable
bottom on plane surface waves in
shallow water

Theoretical investigation of the decay
of the waves in shallow water due to
dissipation in a fluid bottom & due to
friction loss over a rigid sand bottom.

GLK:tl

M

Scheele, M. (1958) 59-7731
Stuttgart, E. Schweizerbart'sche
Verlagsbuchhandlung, 175 p.
Fünfzig Jahre Archiv für Hydrobiologie
Eine Literatur-Analyse der Limnologie
dargestellt an den Bänden 1-50, 1906-
1955 (Fifty years "Archiv für
Hydrobiologie" - A literature analysis
of limnology treated in vols. 1-50,
1906-1955)

Compiles author, title, topic &
subject indexes & gives cross
references for theoretical & applied
limnological papers.

GLK:efa

F

Hamon, D.V. (1958) 59-7734
J.Mar.Res., 16:83-9

The effect of pressure on the
electrical conductivity of sea-water

Values of the pressure coefficient of
electrical conductivity of sea-water
(chlorinity 19.7‰) at different
temperatures are presented. The
accuracy is estimated to be $\pm 5\%$.
The results have been confirmed by
tests at sea.

GLK:tl

M

Roden, G.I. (1958) 59-7735

J.Mar.Res., 16:90-5

Spectral analysis of a sea-surface temperature and atmospheric pressure record off Southern California

Results of spectral analyses of sea surface temperature at La Jolla & pressure difference at Lat. 30N, Long 110-130W. The energy density, auto-correlation, coherence & phase relations are investigated.

GLK:tl

M

Reid, R.O. (1958)

59-7738

J.Mar.Res., 16:109-44

Effect of Coriolis force on edge waves.
(1) Investigation of the normal modes

Theoretical investigation of the modes of the edge waves, their kinematic behaviour & general theoretical consideration of the problems of forced wave.

GLK:tl

M

Tyler, J.E. (1958)

59-7736

J.Mar.Res., 16:96-9

Comparison of light distribution above and below water

Relative radiance by various tilt angles in air & in the lake water in 2.5 cm, 3.05 m, & 6.1 m depth.

GLK:tl

F

Kajiura, K. (1958)

59-7739

J.Mar.Res., 16:145-57

Effect of Coriolis force on edge waves. (II) Specific examples of free and forced waves

Modification of edge waves due to Coriolis force is examined in terms of 2 specific problems: dispersion of an initial deformation of the water surface; the forced wave due to a moving atmospheric pressure disturbance.

GLK:kk

M

Schooley, A.H. (1958)

59-7737

J.Mar.Res., 16:100-8

Profiles of wind-created water waves in the capillary-gravity transition region

Result of experimental investigations on the profiles of capillary waves in a small water-wind tunnel.

GLK:tl

BP

Aron, W. (1958)

59-7740

J.Mar.Res., 16:158-73

The use of a large capacity portable pump for plankton sampling, with notes on plankton patchiness

Description of the pump & its use; comparison of the plankton catches - fish eggs, copepods & other motile organisms - made with pump & net; notes on patchiness of zooplankton.

GLK:tl

M

Obregón, F. (1958) 59-7741

Bol. Estud. Banco nac. Crédito Ejidal,

(117):

Algunas notas sobre la crianza de la carpa seleccionada de Israel (Some notes on the breeding of the selected carp from Israel)

Describes the nature & aims of fish culture. Lists the 6 existing & 2 planned fish culture stations of the national campaign. Describes the requirements & procedures of a fish culture station & those for farm ponds.

:of

F

Perkins, E.J. (1958) 59-7744

Ann. Mag. nat. Hist., Ser. 13, 1:64-77

The food relationships of the microbenthos, with particular reference to that found at Whitstable, Kent

The food of the microbenthos, viz. nematodes, ostracods & copepods is described & its significance in the economics of the shore is discussed.

FiB:ejp

M

Anonymous (1958) 59-7742

El Campo, (792-793):69-70

La carpa seleccionada de Israel
(Selected carp from Israel in Mexico)

F

Snow, H. (1958) 59-7745

Wis. Conserv. Bull., 23(2):1-4

Northern pike at Murphy flowage

General account of life history & fishery.

WAD:wcb

F

Anonymous (1958) 59-7743

Vida rural en Mexico, (3):8

Impulso a la piscicultura (An impulse to fish culture)

Describes the fish culture campaign of Banco Nacional de Crédito Ejidal - National Bank for Credit to Community Projects -, the adaptation of selected carp from Israel in preference to other spp. & the reason therefor.

:a

F

Wirth, T.L. (1958) 59-7746

Wis. Conserv. Bull., 23(5):1-3

Lake winnebago freshwater drum

General discussion of life history & fishery.

WAD:wcb

F

Ivlev, V.S. (1958) 59-7747
Biull.moskovsk.Obshchest.Isyt.Prirrody,
Otd.Biol., 63(1):5-14
 Nekotorye voprosy teoreticheskoi
 ekologii (Some problems of
 theoretical ecology). En

Various interpretations of quantitative
 laws governing the numeric growth
 of populations are discussed. Examines
 some simple schemes in which the growth
 of populations is described by
 exponential equations. An example taken
 from Gause's work is used for the
 analysis of that author's ideas.

GLK:vsi

MF

Zobairi, A.R.K. (1958) 59-7750
Pakist.J.biol.agric.Sci., 1(2):113-8
Transplantation of Lebistes
reticulatus (Peters) into East
 Pakistan

Describes aquarium experiments at
 Dacca to examine its efficiency for
 mosquito control & ecological
 relations with allochthonous spp. of
Catha, Labaco & Cirrhhina.

SJH:sjh

F

Isaac, P.C.G., P. Coackley 59-7748
 & M. Lodge (1958)
J.W.Afr.Sci.Ass., 4:150-4
 A note on some water samples collected
 in West Africa

A study of growth of algae in sewage
 containing description of locations
 where the samples were taken, &
 results of chemical & microscopic
 examinations.

FAC:hr

F

Druievich, S.V. & 59-7751
 Ye.D. Zaitseva (1958)
Trud.Inst.Okeanol., 26:8-108
 K khimii osadkov Beringova moria
 (Chemistry of the deposits of the
 Bering Sea)

M

Hubbs, C.L. & 59-7749
 K.F. Lagler (1957)
Mich.Fish., (1):1-6
 List of fishes of the Great Lakes and
 tributary waters

WR (94):81.

F

Klepikov, V.V. (1958) 59-7752
Probl.Severa, 1:318-29
 Proiskhozhdeniie i rasprostraneniie
 pridonnykh antarkticheskikh vod
 (Origin and distribution of Antarctic
 bottom water)

M

Kusunoki, K. (1958) 59-7753
Antarctic Rec., (3):32-40
Preliminary report of oceanographic
observation of the Japanese Antarctic
Research Expedition I, 1956-1957, with
the SOYA

M

Churkina, N.A. (1958) 59-7756
Probl. Severa, 1:337-40
Dreif buiev v tsentral'noi Arktike i
v arkticheskikh moriakh (Drifts of
buoys in the central Arctic and in
arctic seas)

M

Krutskikh, B.A. & 59-7754
N.P. Bulgakov (1958)
Probl. Arktiki, 4:98
Semenovskaia Banka (Seimenovskaia
Bank)

M

Antonov, V.S. (1958) 59-7757
Probl. Severa, 1:52-64
Rol' materikovogo stoka v rezhime
techenii Severnogo Ledovitogo okeana
(Role of river water in regime of
currents in the Arctic Ocean)

M

Timofeiev, V.T. (1958) 59-7755
Probl. Arktiki, 4:23-8
Priblizhennoie opredeleniie teplovogo
balansa vod Arkticheskogo basseina
(Approximate determination of the heat
balance of the waters of the Arctic
Basin)

M

Timofeiev, V.P. (1957) 59-7758
Probl. Arktiki, 2:41-51
Atlanticheskiiye vody v arkticheskom
basseine (Atlantic water in the
Arctic Basin)

M

Power, G. (1958) 59-7759
Arctic, 11(1):63-4
Salmon investigations on the Koksoak
River, 1957

MF

Martin, A.W. et al. (1958) 59-7762
J.exp.Biol., 35(2):260-79
The blood volumes of some
representative molluscs

M

Crisp, J. (1958) 59-7760
London, R. Hale, 184 p.
South of Cape Horn. a story of
antarctic whaling

M

Banner, A.H. & 59-7763
H. Boroughs (1958)
Proc.Soc.exp.Biol., N.Y., 58:776-8
Observations on toxins of poisonous
fishes

M

Kohn, A.J. (1958) 59-7761
Hawaii med.J., 17(6):528-32
Recent cases of human injury due to
venomous marine snails of the genus
Conus

M

Yamada, H. (1957) 59-7764
J.Fac.Sci.Hokkaido Univ., Ser. 4,
13(1-4):156-60
Marine hydroids from the Vladivostok
region

M

Gibbs, R.H., Jr. (1957) 59-7765
Lloydia, 20(3):186-211
Cyprinid fishes of the subgenus
Cyprinella of Notropis - II.
Distribution and variation of Notropis
spilopterus, with the description of a
new subspecies

F

Bantock, C.R. (1958) 59-7768
Ent.mon.Mag., 93:273
Limnephilus bipunctatus Curtis
(Trich., Limnephilidae) in
Oxfordshire



F

Balinskii, B.I. (1958) 59-7766
J.ent.Soc.S.Afr., 21(1):227-9
Notes on the distribution of Odonata
in South Africa

F

Carnes, W.C. (1958) 59-7769
N.Carolina Wildl. Resour.Comm., Fish.
Div.Job no.3, Project F-5-R, 60 p.
Special progress report on the
experimental pond activities in
district 5

F

Balinskii, B.I. (1957) 59-7767
J.ent.Soc.S.Afr., 20(2):280-94
Classification of the females in the
genus Pseudagrion (Odonata) based on
thoracic structure

F

Delacour, J. (1957) 59-7770
Los Angeles County Mus.Contr. in Sci.
(1):1-11
The Machris Brazilian expedition;
general account

F

Charnock, H. (1958)
Sci. Progr., 46:487-501
Wind-generated water waves

59-7771

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A.R. Miller (1957)
Met. Monogr., 2(10):1-23
Water levels accompanying Atlantic
coast hurricanes

59-7774

(issued as: Contr. Woods Hole oceanogr.
Inst., (828)).

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J. Fluid Mech., 4:330-4
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finite amplitude on a sloping beach

59-7772

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59-7775

Tide gauge data are submitted to a
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eliminates the diurnal & higher species
tides. The process has been applied to
simultaneous data from many locations
in order to obtain records of sea level.
The observed tide activity is largely
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pressure & wind. Comparisons among
water density & wind data are made.
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FAO:gwg

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Ann. Géophys., 13:307-9
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de la mer (On the propagation
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Naut. Mag., 180:24-6
Phosphorescence and magnetism

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573-7
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current). Ru

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terminated, the fourth started)

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Ru

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measurement of waters)

Tancreto, A.E. (1958) 59-7783
Mon.Weath.Rev.Toronto, 86:197-200
A method for forecasting the maximum
surge at Boston due to extratropical
storms

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Bull.Acad.Sci.U.R.S.S.(Géogr.), (4):
24-32
(Scheme of the general circulation
of waters in the Pacific Ocean).
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J.opt.Soc.Amer., 47:653-7
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ocean waves

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Observatory (1958)
Mar.met.Rep., Hakodate, 2:1-70
(Report of the marine meteorological
observations in the northern part
of North Pacific Ocean (the salmon
fishery grounds) 1957). Ni

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Bull.Acad.Sci.U.R.S.S.(Géogr.), (4):
11-23
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J.met.Res., Tokyo, 10:480-4
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season). Ni En

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Arch.Met., Wien, 10A:291-300
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heating of the atmosphere

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Met.Abstr., 9:731-73
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(Characteristics of the regime of
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Ocean and the south and east China Seas).
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Met.Abstr., 9:598-631
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generated by wind on a deep sea).
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the surface layer of water in the
open sea). Ru

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Marine Meteorological Section (1958)
Oceanogr.Rep., Tokyo, 7:67-74
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temperatures in the neighbouring Sea
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Oceanogr.Rep., Tokyo, 7:59-65
(Monthly means of sea-surface water
temperature in the sea east of
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J.met.Res., Tokyo, 10:532-4
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Acta geophys.polon., 6:186-7
(The silicium content in the water
of Gdansk Bay). Fl

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Institut (1958)
Hamburg, 62 p.
Strombeobachtungen in der südwest-
lichen Nordsee in den Jahren 1951-
1955 (Current observations in the
southwestern part of the North Sea
during 1951-1955)

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Observatory (1958)
Mar.met.Rep., Hakodate, 2:71-2
(On the current in the northern part
of North Pacific Ocean in summer).
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Walden, H. (1958) 59-7806
Seewart, Hamburg, 19:149-53
Wie hoch war der Seegang beim
Untergang der "Normackite"?
(How heavy was the swell during
the sinking of the "Normackite"?)

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J. Franklin Inst., 266:79-80
Circulation of Atlantic studied

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J. Amer. met. Soc., 15:383-96
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meteorological significance

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oceanogr. Inst., (849)).

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(On some properties of the temperature
structure and currents of the Japan
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J. Fluid Mech., 4:607-14
Surface waves on water of non-uniform
depth

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Met. Hidrolog., (9):38-41
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the elements of sea wind waves).
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Ann. Mag. nat. Hist., 1(13):748-52
On Plectropmus maculatus (Bloch) and
P. marmoratus (n.sp.) from East
Africa (Pisces Serranidae)

BA 33(10)39537. Fishes are described
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Fisheries Commission. Scientific
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Recent advances in marine fishery
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the Scientific Committee to the
Atlantic States Marine Fisheries
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Washington, Govt Print.Off., 281 p.
Fisheries legislation. Hearings
before the Committee on Interstate
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Bull.Brit.Mus.(nat.Hist.), 1(5):249 p.
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57 p.
A modification of the Wenner-Smith-
Sowle salinity bridge for the
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water. With details of construction,
operation and maintenance

M

U.S. Congress. Senate. 59-7815
Committee on Interior &
Insular Affairs (1957)
Washington, Govt Print.Off., 456 p.
Missouri Basin water problems. Joint
hearings before the Committee on
Interior and Insular Affairs and the
Committee on Public Works, United
States Senate, eighty-fifth congress,
first session, on problems of
operation of multiple-purpose projects
in the Missouri Basin. Pt. 1, May 1, 2
and 3, 1957

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Tech.Rep.Dep.Oceanogr.Univ.Wash., (57)
The measurement of transports and
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 (Histological and histochemical study
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 Histological properties of the squid
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 London, Harrap, 480 p.
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low

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Fitch, J.E. (1958) 59-7820
 Sacramento, 79 p.
 Offshore fishes of California
 D.33E(12). Incl. short general sections on
 geologic history, numerical abundance,
 classification, natural history &
 management of marine fishes. Specific
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 characteristics, distribution, life
 history, fishery & use for 27 of the
 more important spp. Ill.

Eckert, B. (1959) 59-7823
Z.vergl.Physiol., 41(5):500-26
 Über das Zusammenwirken des erregenden
 und des hemmenden Neurons des M.
 abductor der Krepsschere beim Ablauf
 von Reflexen des myotatischen Typus
 (On the cooperation of the exciting
 and restraining neurons of the
 abductor in crayfish's claw during
 the reflexes of the myotatic type)

:sjh

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Ajia, K. (1957) 59-7821
 Tokyo, 253 p.
 Japanese fisheries: their development
 and present status

Smisek, J. & 59-7824
 M. Vejvoda (1958)
Ann.Acad.tchécosl.Agric., 3(31):281-94
 Das Vorkommen der natürlichen
 Fischnahrung in Forellenteichen bei
 intensiver Regenbogenforellenbrut-Zucht
 (Occurrence of natural food in ponds with
 intensive rainbow trout culture)

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Tech.Rep.Johns Hopkins Univ., (7)
An advective model of the ocean
thermocline

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Ann.Acad.tchécosl.Agric., 3(31):333-40
Der Einfluss der Abwässer aus der
Kunstkautschukerzeugung auf Fische.
(The effect of waste waters from the
artificial caoutchouc industry on
fishes)

low

F

D'Arcy Thompson, R. (1958) 59-7826
London, Oxford Univ.Press, 244 p.
D'Arcy Thompson, the scholar-naturalist

A biography of this biologist, which
refers to his work in fisheries &
related fields.

FAO:sjh

MG

Volf, F. & 59-7829
J. Havelka (1958)
Ann.Acad.tchécosl.Agric., 3(31):299-310
Die Benützung von Chloromycetin zur
Bekämpfung der infektiösen Bauch-
wassersucht (The use of chloromycetin
against infectious dropsy)

low

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Stědronský, E. & 59-7827
C. Pekar, (1958)
Ann.Acad.tchécosl.Agric., 3(31):259-80
Die Ernährung und das Wachsen der
Karpfenbrut (Food and growth of
carp fry)

low

F

U.K. National Institute 59-7830
of Oceanography (1957)
Int.Rep.Wormley nat.Inst.Oceanogr., (A11)
Instructions for mean sea-level and
long-wave studies during the
International Geophysical Year

low

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Sansfaçon, J. & 59-7831
 V. Legendre (1957)
Montréal, 107 p.
 Bibliographie des documents sérieux
 ayant publié sur les poissons, la
 pêche et les pêcheries du Canada
 (Bibliography of the titles of serial
 documents having been published on the
 fishes, fishing, and fisheries of
 Canada)

Preliminary edition.

MF

Fuortes, M.G.F. (1958) 59-7834
Amer.J.Ophthal., 46(3), Ser.3, Pt.2
 Electrophysiology of the visual system.
 Symposium held at Wilson Hall, National
 Institutes of Health, Bethesda, Md.

Individual papers to be cited &
 annotated later; they include study of
 electrical stimulation of Limulus eye,
 crayfish caudal receptor, color
 receptors in fish.

:sjh

MF

Sufi, S.M.K. (1958) 59-7832
Pakist.J.Sci., 10(2):62-4
 Occurrence of the fish Chela laubuca
 (Ham.) in the Hyderabad and Khaipur
 divisions of West Pakistan with notes
 on the synonyms of Chela cachius (Ham.)

The distribution of C. laubuca, not
 hitherto recorded from West Pakistan, as
 recorded from various localities in
 India & some remarks on the 301 specimens
 now collected, are given.

:ss

Okada, Y. & 59-7835
 K. Mori (1958)
Rep.Fac.Fish.Univ.Mie-Tsu, 3(1):26-8
 Ecological study of Salangichthys
microdon in breeding season. II.
 Development of the "White fish",
Salangichthys microdon

Ill. description of artificial
 fertilization & rearing of this sp. for
 one month.

FiB:sl

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Elnahal, I.M. (1958) 59-7833
Mon.Bull.Minist.Supply Cairo, November,
 39-44
 The present situation of fish production
 in Egypt

Statistical figures show that the
 consumption of fish per person, per
 year during 1955-1956 is 6.08 kg. Fish
 production during 1953-1954 did not
 exceed 121,000 tons.

:ime

Okada, Y. & 59-7836
 K. Suzuki (1958)
Rep.Fac.Fish.Univ.Mie-Tsu, 3(1):17-25
 Ecological studies of the Ma-anago,
Astroconger myriaster (Brevoort).
 11. Notes on the circuli of the otolith
 of the Ma-anago in Ise Bay

Study of relation of otolith length to
 total length of sp. from Japanese coast
 April-November, 1954. Season & size at
 clear zone formation.

FiB:sl

M

Anonymous (1959) 59-7837

Discovery, 20:409

New underwater organisation

Note on formation of "Confédération
Mondiale des Activités Sub-Aquatiques".

FAO:sjh

M

Anonymous (1959)

59-7840

Discovery, 20:453

IFORS

Note on formation of International
Federation of Operational Research
Societies; its objects, constituent
societies, programme of activities.

FAO:sjh

G

Edney, E.B. (1959)

59-7838

Discovery, 20:428-33

Research at Lake Kariba

Incl. account of biological research
on this barrage lake on the Zambesi in
Rhodesia.

FAO:sjh

F

Anonymous (1959)

59-7841

Discovery, 20:453

Unknown forces along earth's axis

Kozyrev considers that in the polar
areas these forces must change so
considerably that their magnitude
can be used to determine the latitude
of a given place with a high degree
of accuracy. This might be useful
for determining the position of
drifting scientific stations in the
Central Arctic basin.

FAO:a

M

Gernsheim, H. &

59-7839

A. Gernsheim (1959)

Discovery, 20:436-42

Some early applications of photography
to science

Incl. ill. historical & current notes
on underwater photography.

FAO:sjh

M

Kato, T. (1958)

59-7842

Tokyo, Weath. Serv. Bull., 25:45-7

(On the tri-monthly information on
West Japan sea conditions). Ni

M

Gough, M.W. (1958) 59-7843
Electron. Engng, 30:237-47
Microwave line-of-sight propagation

II

Lisitzin, E. (1958) 59-7846
Geophysica, Helsinki, 5:193-202
Determination of the slope of the
water surface in the Gulf of Finland

MF

Lauwerier, H.A. (1957) 59-7844
Rapp.Meth.Cent., Amsterdam, 41:31 p.
The influence of a homogeneous wind
upon an infinitely wide North Sea

M

Lisitzin, E. (1958) 59-7847
Geophysica, Helsinki, 5:162-76
Der Wasserstand in der Ostsee als
Indikator der Strenge des Winters
(The water level of the Baltic as
indicator of the severity of winter)

MF

Rzheplinskiy, G.V. (1958) 59-7845
Met.Gidrolog., (1):45-6
(Some peculiarities of the results of
wavemeter observations on the high seas).
Ru

II

Ozmidov, R.V. (1958) 59-7848
Bull.Acad.Sci.U.R.S.S., (geophys.), 272-
3
(On the role of turbulent vortices of
various dimensions in the process of
diffusion (on a water surface)).
Ru

M

International Botanical Congress. Montréal, August 19-29, 1959, 9 (1959)
 Montréal, 444 p.
 Proceedings. Volume 2, Abstracts. En
 Fr Es De Esperanto

Contains abstr. of papers - 59-7850 to 59-7932 - in alphabetical order of authors' names.

:sjh

MF

Arnon, D.I. (1959) 59-7852
Proc.Int.bot.Congr., 9(2):9
 Conversion of light into chemical energy in photosynthesis
 Preprinted abstr. of presented paper.

:sjh

G

Allen, M.B. (1959) 59-7850
Proc.Int.bot.Congr., 9(2):4
In vivo transformations of chlorophyll a in Ochromonas danica and Chlorella pyrenoidosa

Preprinted abstr. of presented paper.

:sjh

F

Baker, J.E. & J.F. Thompson (1959) 59-7853
Proc.Int.bot.Congr., 9(2):14-5
 Metabolism of various nitrogenous compounds by cells of nitrogen-deficient Chlorella vulgaris

Preprinted abstr. of presented paper.

:sjh

F

Arnon, D.I. (1959) 59-7851
Proc.Int.bot.Congr., 9(2):9
 The chloroplast as a functional unit in photosynthesis

Preprinted abstr. of presented paper.

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G

Becking, R.W. (1959) 59-7854
Proc.Int.bot.Congr., 9(2):25-6
 Quantitative evaluation of plant communities and the IBM codification of phytosociological data

Preprinted abstr. of presented paper.

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G

Bidwell, R.G.S. (1959) 59-7855
Proc.Int.bot.Congr., 9(2):32
Precursors of polysaccharides in *Fucus*
vesiculosus

Preprinted abstr. of presented paper.

:sjh

M

Bourrelly, P.P.C. (1959) 59-7858
Proc.Int.bot.Congr., 9(2):42-3
Les grands problèmes écologiques en
algologie d'eau douce (The
important ecological problems in
freshwater algology)

Preprinted abstr. of presented paper.

:sjh

F

Blackler, H. & 59-7856
G. Russell (1959)
Proc.Int.bot.Congr., 9(2):36
The autecology of *Pylaiella littoralis*
(L.) Kjellm

Preprinted abstr. of presented paper.
The variation in form & life cycle
reviewed & discussed in light of
cultural & field studies of the
populations growing in the vicinity
of St. Andrews, Scotland.

:sjh

M

Braarud, T. & 59-7859
K. Ringdal Gaarder (1959)
Proc.Int.bot.Congr., 9(2):44
Morphology and taxonomy of
coccolithophorids

Preprinted abstr. of presented paper.
Microstructure as seen in electron
microscope is described for a number of
marine coccolithophorids.

:sjh

M

Bold, H.C. (1959) 59-7857
Proc.Int.bot.Congr., 9(2):38
Some taxonomic problems in unicellular
chlorophycean algae

Preprinted abstr. of presented paper.
Genera discussed include: Chlorococcum,
Neochloris, Spongiochloris, Spongio-
coccum, Bracteococcus, Dictyococcus,
Dictyochloris, Nautococcus, Trebouxia,
Chlorosarcina, Chlorosarcinopsis,
Chlorosphaeropsis, Chlamydomonas,
Palmella, & Gleocystis.

:sjh

MF

Brown, E.E. (1959) 59-7860
Proc.Int.bot.Congr., 9(2):49
Anaerobic uptake of $C^{14}O_2$ by manganese-
deficient and normal *Chlorella pyrenoi-*
dosa

Preprinted abstr. of presented paper.

:sjh

F

Cain, S.A. (1959) 59-7861
Proc.Int.bot.Congr., 9(2):56-7
Strength and weakness of the ecological
approach to conservation

Preprinted abstr. of presented paper.

:sjh

G

Chessin, M. (1959) 59-7864
Proc.Int.bot.Congr., 9(2):68
Some effects of ultraviolet light on
plants

Preprinted abstr. of presented paper.

:sjh

G

Cassio, V. (1959) 59-7862
Proc.Int.bot.Congr., 9(2):61
Ecology of marine algae

Preprinted abstr. of presented paper.
Title only.

:sjh

M

Ciferri, R. (1959) 59-7865
Proc.Int.bot.Congr., 9(2):74
A taxonomical prospect of fungi

Preprinted abstr. of presented paper.
Graphical prospect of taxonomy is
presented. Recent views on
classification are considered &
harmonized. Phylogenetic relationship
& certain characteristics are
emphasized.

:sjh

G

Chapman, V.J. (1959) 59-7863
Proc.Int.bot.Congr., 9(2):66
The factors controlling the upper and
lower limits of major belt-demarcating
algae

Preprinted abstr. of presented paper.

:sjh

M

Curl, H.C., Jr. (1959) 59-7866
Proc.Int.bot.Congr., 9(2):83-4
The physiological ecology of a marine
diatom, Skeletonema costatum (Grev.)
Cleve

Preprinted abstr. of presented paper.
Skeletonema costatum (Grev.) was
cultured. Effects of light, temperature,
salinity, absolute concentrations of
phosphorus & nitrogen & the ratio of
these elements on the growth &
photosynthesis of the diatom were
measured. Results are used to explain
the temporal & spatial distribution
in continental shelf waters off New York

:sjh

M

Desikachary, T.V. (1959) 59-7867
Proc.Int.bot.Congr., 9(2):90
Electron microscopy and algal
structures

Preprinted abstr. of presented paper.

:sjh

MF

Droop, M.R. (1959) 59-7870
Proc.Int.bot.Congr., 9(2):97
Nutrition of a phagotrophic marine
dinoflagellate

Preprinted abstr. of presented paper.

:sjh

M

Desikachary, T.V. (1959) 59-7868
Proc.Int.bot.Congr., 9(2) 90
Sexual reproduction in Tetrasporidium
javanicum Möbius

Preprinted abstr. of presented paper.
Description of this alga.

:sjh

F

Emerson, R. & 59-7871
H.C. Whisler (1959)
Proc.Int.bot.Congr., 9(2):103-4
The nature and relationships of
Oedogoniomyces

Preprinted abstr. of presented paper.
Oedogoniomyces lymnaeae Kobayashi &
Ookubo is a saprophytic, aquatic
phycomycete first described in 1954
from Japan. Further collections of this
fungus were made by the authors in
1956-7 in Costa Rica.

:sjh

F

Droop, M.R. (1959) 59-7869
Proc.Int.bot.Congr., 9(2):96-7
Chemical and ecological considerations
in the design of synthetic culture
media for marine algae

Preprinted abstr. of presented paper.

:sjh

II

Eriksson, E. (1959) 59-7872
Proc.Int.bot.Congr., 9(2):106
The carbon dioxide reservoir

Preprinted abstr. of presented paper.
An external factor, such as rate of
overturning of sea water, can cause
fluctuations in other reservoirs
because of the steady downward flux of
organic matter. At present work is
being devoted to studies on equilibrium
conditions between oceanic &
atmospheric carbon dioxide & on the
rate at which equilibrium is approached.

:sjh

M

Eyster, C. (1959) 59-7873
Proc.Int.bot.Congr., 9(2):109
Mineral requirements of Nostoc
muscorum for nitrogen fixation

Preprinted abstr. of presented paper.

:sjh

F

59-7875
(Card 2)

evaporation, radiation, & time upon
growth.

:sjh

G

Fosberg, F.R. (1959) 59-7874
Proc.Int.bot.Congr., 9(2):118
Structural-functional classification
of vegetation for small-scale mapping

Preprinted abstr. of presented paper.

:sjh

G

Gibbs, R.D. (1959) 59-7877
Proc.Int.bot.Congr., 9(2):133
Comparative chemistry of plants as
applied to problems of systematics:
an introduction to the symposium

Preprinted abstr. of presented paper.

:sjh

G

Writts, H.C. (1959) 59-7875
Proc.Int.bot.Congr., 9(2):124
Studies of tree growth using the
dendrographic and multiple regression
techniques

Preprinted abstr. of presented paper.
Studies are presented in which daily
growth is measured by dendrograph &
seasonal growth by annual growth rings.
Data are related to appropriate
environmental data & analyzed by
multiple regression techniques. These
techniques make possible a highly
refined analysis which sorts out the
relative effects of temperature,

Gorham, E.R. et al. (1959) 59-7878
Proc.Int.bot.Congr., 9(2):137
Toxic waterblooms of blue-green algae

Preprinted abstr. of presented paper.
Unialgal cultures of several strains
of those suspected of causing animal
death, have been grown & found to vary
greatly in toxicity.

:sjh

F

Gorski, F. (1959) 59-7879
Proc.Int.bot.Congr., 9(2):138
Une simple méthode pour mesurer
l'exigence quantique de la photosynthèse
(A simple method of measuring the
quantic requirements of photosynthesis)

Preprinted abstr. of presented paper.

:sjh

FG

Haxo, F.T. (1959) 59-7882
Proc.Int.bot.Congr., 9(2):154-5
The functioning of pigments other than
chlorophyll in the photosynthesis of
several flagellates

Preprinted abstr. of presented paper.
Determinations of photosynthetic &
corresponding absorption spectra.
Cryptomonads examined for Rhodomonas
lens, Cryptomonas ovata & Gonyaulax
polyedra.

:sjh

F

Gupta, K.M. (1959) 59-7880
Proc.Int.bot.Congr., 9(2):145-6
Morphology and systematics of the water
fern Marsilea and the problem of
speciation in the genus

Preprinted abstr. of presented paper.

:sjh

F

Helmcke, J.-G. (1959) 59-7883
Proc.Int.bot.Congr., 9(2):159-60
Schalenmerkmale der Diatomeen (The
nature of cell walls of diatoms)

Preprinted abstr. of presented paper.

:sjh

MF

Halldal, P. (1959) 59-7881
Proc.Int.bot.Congr., 9(2):149
Factors affecting the light response
in phototactic algae

Preprinted abstr. of presented paper.
Based upon experiments mainly with the
brine flagellate Platymonas sub-
cordiformis (Wille) Hazen (Volvocales)
Gibor's strain.

:sjh

MF

Heywood, V.H. & 59-7884
D.H. Valentine (1959)
Proc.Int.bot.Congr., 9(2):163-4
The Flora Europaea project: a report
of progress

Preprinted abstr. of presented paper.

:sjh

G

Hillis, L.W. (1959) 59-7885
Proc.Int.bot.Congr., 9(2):164-5
Structure and taxonomy of Halimeda
(order Siphonales)

Preprinted abstr. of presented paper.

:sjh

M

Irvine, D.E.G. & 59-7888
P.C. Silva (1959)
Proc.Int.bot.Congr., 9(2):176-7
Preparation of an Index Nominum
Algarum and Bibliographia Phycologica
Universalis

Preprinted abstr. of presented paper.
General background of this project has
been outlined in Taxon 7(8):251 (1958).
This paper is an attempt to outline
scope of works as envisaged, type of
information being collected, & system
of compilation.

:sjh

MF

Hollenberg, G.J. (1959) 59-7886
Proc.Int.bot.Congr., 9(2):168
Smithora: a new and interesting genus
in the Erythropeltidaceae

Preprinted abstr. of presented paper.
The plant heretofore known as Porphyra
naiadum Anderson is described as the type
of a new genus.

:sjh

M

Jones, J.D. & 59-7889
G. Krotkov (1959)
Proc.Int.bot.Congr., 9(2):182
Incorporation of $C^{14}O_2$ into protein
amino acids by Chlorella cells in
either white or blue light

Preprinted abstr. of presented paper.

:sjh

F

Ho, P.H. (1959) 59-7887
Proc.Int.bot.Congr., 9(2):167
La variation saisonnière de la végétation
algologique de la côte rocheuse du
Vietnam (The seasonal variation in
the algological vegetation along the
rocky coast of Vietnam)

Preprinted abstr. of presented paper.

:sjh

M

Lawson, G.W. (1959) 59-7890
Proc.Int.bot.Congr., 9(2):217
Application of analysis of variance to
problems of intertidal ecology

Preprinted abstr. of presented paper.
To ill. the method, variation in the
dry weight & number of plants per 20 cm²
quadrat in relation to wave exposure,
shading, & angle of rock surface is
worked out for Sargassum as it occurs
on the coast of Ghana.

:sjh

M

Lee, M.J., E.S.Choe 59-7891
& S.S. Park (1959)
Proc.Int.bot.Congr., 9(2):220-1
A study of some physiological
characteristics of Euglena

Preprinted abstr. of presented paper.

:sjh

F

Levin, R.A. (1959) 59-7894
Proc.Int.bot.Congr., 9(2):225
Eksperimentaj studoj pri la flageloj
de algoj (Experimental study of
algal flagellates)

Preprinted abstr. of presented paper.
Chlamydomonas, Platymonas, Euglena.

:sjh

F

Levring, T. (1959) 59-7892
Proc.Int.bot.Congr., 9(2):224
Submarine illumination and vertical
distribution of algal vegetation

Preprinted abstr. of presented paper.

:sjh

M

Maheshwari, S.C. (1959) 59-7895
Proc.Int.bot.Congr., 9(2):246-7
Systematic position of the family
Lemnaceae

Preprinted abstr. of presented paper.

:sjh

F

MacFarlane, C.I. (1959) 59-7893
Proc.Int.bot.Congr., 9(2):241-2
Ecological problems encountered in
surveys of marine algae in Nova Scotia

Preprinted abstr. of presented paper.

:sjh

M

Maldonado-Koerdell, M. (1959) 59-7896
Proc.Int.bot.Congr., 9(2):249
Bark fragment from the continental slope
off the Guatemala coast

Preprinted abstr. of presented paper.
In course of dredging operations
opposite mouth of Río Suchiate off
Guatemala, at 400 fathoms, a fragment
of an arboreal plant was collected in
November 1958.

:sjh

M

Marfey, C. & 59-7897
R. Sager (1959)
Proc.Int.bot.Congr., 9(2):252
Transmission of parental proteins and
nucleic acids to progeny in
Chlamydomonas

Preprinted abstr. of presented paper.

:sjh

F

Mullahy, J.H. (1959) 59-7900
Proc.Int.bot.Congr., 9(2):275
The algal flora of the Chandeleur
Islands of Louisiana
Preprinted abstr. of presented paper.
The islands present an interesting
ecological variation in the northern
Gulf, & this is most manifest in the
Phaeophyta & Rhodophyta.

:sjh

M

Mason, H.L. (1959) 59-7898
Proc.Int.bot.Congr., 9(2):254
Formal instruments of the taxonomic
system

Preprinted abstr. of presented paper.

:sjh

G

Neushyl, M., Jr. (1959) 59-7901
Proc.Int.bot.Congr., 9(2):280
Studies on antarctic marine algae

Preprinted abstr. of presented paper.
During the 1957-8 Argentine Antarctic
Expedition collections of marine algae
were made. Using a neoprene diving suit
& SCUBA, author observed & collected
representative plants 60 ft. below
surface. Occurrence of unusual
reproductive organs & developmental
vegetative characters indicates plants
do not fit into currently accepted brown
algal taxonomic groups.

:sjh

M

Moyse, A., M.L. Champigny 59-7899
& G. Giraud (1959)
Proc.Int.bot.Congr., 9(2):274
Sur la répartition du C fixé par
photosynthèse chez Rhodospirillum rubrum
Geitler (Rhodophyceae) en présence
d'intensités lumineuses et de radiations
diverses (On the distribution of
C fixed on Rhodospirillum rubrum Geitler
exposed to light intensity and
different radiation)

Preprinted abstr. of presented paper.

:sjh

M

Pageau, G. (1959) 59-7902
Proc.Int.bot.Congr., 9(2):292
Système de classification des divers
types de feuilles chez les plantes
aquatiques supérieures (Classifica-
tion of different types of leaves in
higher aquatic plants)

Preprinted abstr. of presented paper.

:sjh

F

Parke, M. (1959) 59-7903
Proc.Int.bot.Congr., 9(2):294
Electron microscope observations on
scale-bearing Chrysophyceae

Preprinted abstr. of presented paper.

Pirson, D.A. (1959) 59-7906
Proc.int.bot.Congr., 9(2):301
Observations in synchronous cultures
of Chlorella

Preprinted abstr. of presented paper.

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MF

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F

Patrick, R. (1959) 59-7904
Proc.Int.bot.Congr., 9(2):296-7
An evaluation of the contribution to the
systematics of diatoms of electron
microscope studies

Preprinted abstr. of presented paper.

Pocock, M.A. (1959) 59-7907
Proc.int.bot.Congr., 9(2):302
Two little-known species of Volvox,
V. powersi and V. obversus

Preprinted abstr. of presented paper.
Volvox powersi is known only from
Nebraska. V. obversus, described from
the Philippines, is abundant in eastern
Australia.

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MF

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F

Pitner, I.J. & 59-7905
L. Provasoli (1959)
Proc.Int.bot.Congr., 9(2):300-1
The nutrition of Volvox globator and
V. tertius

Preprinted abstr. of presented paper.

Prescott, G.W. (1959) 59-7908
Proc.int.bot.Congr., 9(2):309
Fresh-water algal ecology with special
reference to the Arctic

Preprinted abstr. of presented paper.

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F

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F

Preston, R.D. (1959) 59-7909
Proc.Int.bot.Congr., 9(2):310
Wall structure in marine algae

Preprinted abstr. of presented paper.
Structure & composition of the walls of
many spp. of green, brown, & red algae
are reviewed.

:sjh

M

Sager, R. (1959) 59-7912
Proc.Int.bot.Congr., 9(2):339
Effect of soil moisture on host-
parasite relations of Pythium
damping-off of pea

Preprinted abstr. of presented paper.

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F

Provasoli, L. (1959) 59-7910
Proc.Int.bot.Congr., 9(2):312
Growth factor requirements of algae:
ecological and cultural implications

Preprinted abstr. of presented paper.
Chlorophyceae & Bacillariophyceae are
the 2 groups in which only a few spp.
are auxotrophic. All the spp. investigated
of Cryptophyceae, Dinophyceae, &
Eugleninae require one or more vitamins.

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MF

Scagel, R.F. (1959) 59-7913
Proc.Int.bot.Congr., 9(2):344
A synthetic approach to some problems
in marine algal ecology

Preprinted abstr. of presented paper.
It is suggested that a critical review
is needed to ascertain the present
status of knowledge, to clearly
establish the objectives being sought,
& to evaluate the methods being used
in marine algal ecology. A synthetic
analysis is proposed to reassess some
of the fundamental problems. Algal
distribution in northeast Pacific is
described in relation to the
oceanographic characteristics

Sachot, M.H. (1959) 59-7911
Proc.Int.bot.Congr., 9(2):337-8
Vegetation of Clipperton Island

Preprinted abstr. of presented paper.
Island (10°17'N, 109°13'W) is one of
the few islands, & the only coral island,
in the eastern third of the Pacific
Ocean. In the nearly fresh lagoon are
beds of Ruppia, Naias, & Potamogeton.

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F

59-7913
(Card 2)

prevailing along the Pacific coast of
North America. Possible factors
responsible for the observed
distributions are evaluated & a
consideration of the results of some
field & laboratory studies is presented.
Physical & chemical requirements,
including circulation patterns, tides,
temperature, salinity, oxygen,
phosphate, & light, are discussed.

:sjh

M

Schlichting, H.E., Jr. (1959) 59-7915
Proc.Int.bot.Congr., 9(2) 346-7
A new technique to study the role of
waterfowl in the dispersal of algae

Preprinted abstr. of presented paper.
Field collections were made, & a series
of controlled experiments were
conducted to determine the possible role

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F

Singh, T.C.N. (1959) 59-7916
Proc.Int.bot.Congr., 9(2):363-4
On the activation of photosynthesis in
Hydrilla verticillata Presl. by sound
waves of an electric bell

Preprinted abstr. of presented paper.
A submerged water-plant was excited by
continuous ringing of an electric bell
for half an hour daily & its
photosynthetic value was determined
in terms of volume of oxygen evolved
during a particular fixed period of
time. A control experiment was
maintained. Both the rate & the total
volume of oxygen evolved from excited
plants were higher than the control
plants.

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F

Sorokin, C. (1959) 59-7917
Proc.Int.bot.Congr., 9(2):372
Temperature studies on the cellular
level

Preprinted abstr. of presented paper.
Temperature dependence of respiration
& photosynthesis & temperature &
illuminance dependence of the growth
were studied in Chlorella pyrenoidosa.

:sjh

F

Nielsen, E. Steemann (1959) 59-7918
Proc.Int.bot.Congr., 9(2):379-80
Light adaptation in marine
phytoplankton

Preprinted abstr. of presented paper.
A series of light intensity photo-
synthesis curves is presented incl.
curves of plankton from both the
surface & the lower part of the
photosynthetic layer, curves of arctic,
temperate & tropical plankton, &
curves of both summer & winter
plankton.

:sjh

M

Stillner, M. (1959) 59-7919
Proc.Int.bot.Congr., 9(2):383-4
Effects of fluoride on the metabolism
of acid-grown Chlorella

Preprinted abstr. of presented paper.

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F

Talageanu, N. (1959) 59-7920
Proc.Int.bot.Congr., 9(2):393
Sur l'état du protoplasme et l'intensité
de la photosynthèse (On the condition
of protoplasm and the intensity of
photosynthesis)

Preprinted abstr. of presented paper.
Helodea canadensis & Myriophyllum
verticillatum were studied.

:sjh

F

Taylor, A.R.A. (1959) 59-7921
Proc.Int.bot.Congr., 9(2):394
Growth of Chondrus crispus (L.) Stackh.
in a submersed population

Preprinted abstr. of presented paper.
On the north shore of Prince Edward
Island, Canada, Chondrus grows totally
submersed. Growth of individual
submersed specimens, as rate of increase
in area, was measured there for 4 years.

:sjh

M

Turian, G.F. (1959) 59-7924
Proc.Int.bot.Congr., 9(2):405
Action antipigmentaire de la
diphénylamine (DPA) chez les cham-
pignons et les algues

Preprinted abstr. of presented paper.
Study of Chlorocella rubescens.

:sjh

F

Taylor, Wm.R. (1959) 59-7922
Proc.Int.bot.Congr., 9(2):394
Distribution in depth of the marine
algae in the Caribbean and adjacent seas

Preprinted abstr. of presented paper.

Turian, G.F. (1959) 59-7925
Proc.Int.bot.Congr., 9(2):405-6
Differentiation in Blastocladales

Preprinted abstr. of presented paper.
Differentiation in these aquatic
phycomycetes reviewed.

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M

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F

Trurnit, H.J. (1959) 59-7923
Proc.Int.bot.Congr., 9(2):403
Spectroscopy of chlorophyll films

Preprinted abstr. of presented paper.
The absorption spectra of chlorophyll
monolayers, under known thermodynamic
conditions, have been compared with
these pigments in organic solvents &
in living Chlorella suspensions.

:sjh

F

Valentine, D.H. (1959) 59-7926
Proc.Int.bot.Congr., 9(2) 408
Introduction to the symposium on
biosystematics

Preprinted abstr. of presented paper.

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G

Walker, J.M. (1959) 59-7927
Proc.Int.bot.Congr., 9(2):420
The vegetation of Delta marsh

Preprinted abstr. of presented paper.
Lake Winnipeg, Lake Manitoba, & many
smaller bodies of water are remnants
of glacial L. Agassiz which covered
southern Manitoba. Pattern of
colonisation & changes in vegetation on
these areas, re-establishment of
phragmites & effects of water on
vegetation throughout the marsh & on
the ridge discussed.

sjh

F

Yentsch, C.S. (1959) 59-7930
Proc.Int.bot.Congr., 9(2):439
Phytoplankton pigments: a physiological
index

Preprinted abstr. of presented paper.
Ratios of phytoplankton chlorophyll a:
plant carotenoid have been observed in
coastal & offshore waters of New York
during six cruises covering the period
September 1956 to July 1957.

sjh

M

Wolken, J.J. (1959) 59-7928
Proc.Int.bot.Congr., 9(2):434
Electron microscopy of algal structures

Preprinted abstr. of presented paper.
Certain algae as well as photosynthetic
bacteria that are easily grown in
laboratory were selected for
comparative study of their photoreceptors
(chloroplasts, chromatophores, eyespot).
These incl. the green flagellates, as
well as the blue-green & green algae.

sjh

FG

Zalensky, O.V. & 59-7931
V.L. Komarov (1959)
Proc.Int.bot.Congr., 9(2):439-40
Interrelationships between respiration
& photosynthesis

Preprinted abstr. of presented paper.

sjh

G

Wood, R.D. (1959) 59-7929
Proc.Int.bot.Congr., 9(2):434-5
The Characeae

Preprinted abstr. of presented paper.
An ill. & detailed taxonomy of the
family. Incl. keys, synopsis &
descriptions of spp.

sfh

F

Zelik, S. & 59-7932
R.A. Miller (1959)
Proc.Int.bot.Congr., 9(2):440
Filters that isolate narrow regions of
the spectrum for plant growth studies

Preprinted abstr. of presented paper.
The spectral characteristics of
different kinds of colored plastic
sheets were determined.

sjh

G

International Botanical 59-7933
Congress, Montréal, August 19-29,
1959, 9A (1959)
Montréal, 41 p.
Proceedings. Volume 2A, Abstracts.
En Fr Es

Contains supplementary abstr. of
papers - 59-7934 to 59-7960 in
alphabetical order of authors' names.

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MF

Auerbach, S.I. (1959) 59-7934
Proc.Int.bot.Congr., 9(2A):1
The ecology of White Oak Lake bed -
A radioactive waste area, Part 1

Preprinted abstr. of presented paper.
For 12 years lake received continuous
input of low-level radioactive. Four
years ago basin was drained, leaving
14 hectares of contaminated sediment.
Invasion of lake bed by plants &
animals provided opportunity for
studies on fate of fission products
in terrestrial ecosystems & on their
possible biological effects.

:sjh

FG

Brunel, J. (1959) 59-7935
Proc.Int.bot.Congr., 9(2A):5
Contribution à l'étude des Chaetoceros
du golfe Saint-Laurent (Contribution
to the study of the Chaetoceros in the
Gulf of St. Lawrence)

Preprinted abstr. of presented paper.

:sjh

M

Burrows, E.M. (1959) 59-7936
Proc.Int.bot.Congr., 9(2A):5-6
Experimental ecology with particular
reference to the ecology of Laminaria
saccharina (L.) Lamour

Preprinted abstr. of presented paper.
Has been grown successfully in culture
& its response to different environmental
conditions tested.

:sjh

M

Cassie, V. (1959) 59-7937
Proc.Int.bot.Congr., 9(2A):6
Phytoplankton in New Zealand coastal
waters

Preprinted abstr. of presented paper.
180 phytoplankters incl. 112 diatoms &
42 dinoflagellates, have been identified.
Quantitative counts of every plant &
animal spp. were made from monthly
surface jar samples at 5 stations in
Hauraki Gulf, Wellington Harbour and
S.E. Cook Strait during 1957-58.

:sjh

M

De Selm, H.R. & 59-7938
R.E. Shanks (1959)
Proc.Int.bot.Congr., 9(2A):8
Ecology of White Oak Lake bed - a
radioactive waste area, Part 2

Preprinted abstr. of presented paper.
The bed of former lake at the Oak Ridge
U.S. Atomic Energy Commission Laboratory
is under study. This is the site of the
release of fission waste products for a
period of years previous to 1956.

:sjh

FG

Doty, M.S. (1959) 59-7939
Proc.Int.bot.Congr., 9(2A):9
Classical ecological concepts in
population of intertidal recent lava

Preprinted abstr. of presented paper.
Following population of lava freshly
cooled & solidified in the sea provided
an opportunity to follow events in the
process of population. Ecological
concepts of pioneer colonization, ecesis,
pioneer community, seral development,
subclimax, climax & disclimax can be
recognized. Population changes & spp.
changes associated with each have been
recorded.

:sjh

M

Egler, F.E. (1959) 59-7940
Proc.Int.bot.Congr., 9(2A):11-2
The nature of naturalization

Preprinted abstr. of presented paper.

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G

Greig-Smith, P. (1959) 59-7941
Proc.Int.bot.Congr., 9(2A):13
The use of pattern analysis in ecological
investigations

Preprinted abstr. of presented paper.
Pattern defined as departure from
randomness of distribution of spp.
Presence of pattern within defined area
indicates control of the spp. by one or
few factors or groups of correlated
factors.

:sjh

G

Krauss, R.W. & 59-7942
C. Sorokin (1959)
Proc.Int.bot.Congr., 9(2A):18-9
Metabolic pathways and growth of algae

Preprinted abstr. of presented paper.
Examination of different spp. or strains
of Chlorella at the enzyme level has
shown that some possess alternative
pathways for sugar assimilation which
make possible survival & growth under
stress. Studies with synchronized
cultures have shown changes in cellular
metabolism at different ages.

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FG

Latimer, P. & 59-7943
J.A. McClure (1959)
Proc.Int.bot.Congr., 9(2A):20
Light scattering by cell suspensions

Preprinted abstr. of presented paper.
If light coming from a cell suspension
(algal cells, erythrocytes, or
chloroplasts) at a specified angle to
the incident beam is compared with the
incident light itself, the resulting
spectral curve has sharp peaks &
valleys. Many of the observed optical
phenomena are predicted by light
scattering theory. Nearly quantitative
agreement is obtained between some
experimental & theoretical curves.

:sjh

G

Leonard, J.W. (1959) 59-7944
Proc.Int.bot.Congr., 9(2A):21-2
The role of herbicides in wildlife
management

Preprinted abstr. of presented paper.
Herbicidal control of aquatic vegetation
can contribute to fishery management (1)
by favoring microscopic algae at the
expense of submerged higher plants; (2)
by eradication of submerged vegetation
thereby exposing small fish to more
efficient predation, with results
beneficial to the fishery as a whole; &
(3) by removal of vegetation which
interferes with boats, propellers &

59-7944
(Card 2)

fishing tackle. Further research is needed to develop herbicides & methods having better predictability.

:sjh

F

Lewin, J.C. (1959) 59-7946
Proc.Int.bot.Congr., 9(2A):22
Silicon as an essential element for diatom cultures

Preprinted abstr. of presented paper. Experimental studies with Navicula pelliculosa have shown that no other chemically related element is able to replace this requirement, nor can those elements of similar atomic radius.

:sjh

M

Lieth, H. (1959) 59-7947
Proc.Int.bot.Congr., 9(2A):22
A simple method for measuring the light compensation point

Preprinted abstr. of presented paper.
(Title only.)

:sjh

G

Myers, J. (1959) 59-7948
Proc.Int.bot.Congr., 9(2A):24
Evidences for a specific participation of chlorophyll b in photosynthesis

Preprinted abstr. of presented paper. Rate of oxygen evolution in photosynthesis was measured as the current from a platinum electrode covered by a layer of Chlorella cells.

:sjh

FG

Myers, J. (1959) 59-7949
Proc.Int.bot.Congr., 9(2A):24
Steady-state cultures of algae

Preprinted abstr. of presented paper. Principles upon which steady-state cultures may be devised. Technology of steady-state culture is sufficiently developed to allow more general use for problems in algal physiology.

:sjh

MF

Niering, W.A. (1959) 59-7950
Proc.Int.bot.Congr., 9(2A):24-5
The role of herbicides in vegetation management. Introduction

Preprinted abstr. of presented paper.

:sjh

G

Palumbo, R.F. (1959) 59-7951
Proc.Int.bot.Congr., 9(2A):26-7
The differences in uptake of
radioisotopes by marine and terrestrial
organisms

Preprinted abstr. of presented paper.
Factors operating to make radioactive
fallout isotopes available for uptake
are discussed. In sea major factors are
(1) size of fallout particles, (2)
solubility of element, (3) absorption
of element to organic & inorganic
materials, (4) isotopic dilution by
stable form of element, & (5)
coprecipitation of element with
chemically similar elements.

:sjh

M

Platt, R.B. (1959) 59-7952
Proc.Int.bot.Congr., 9(2A):28
Critical review of microenvironment
as a field of research

Preprinted abstr. of presented paper.

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G

Platt, R.B. (1959) 59-7953
Proc.Int.bot.Congr., 9(2A):29
Studies in radiation ecology

Preprinted abstr. of presented paper.
By means of models, charts, diagrams,
& photographs, special facilities for
radiation ecology research presented.

:sjh

G

Platt, R.B. (1959) 59-7954
Proc.Int.bot.Congr., 9(2A):28
Radiation ecology studies at Emory
University

Preprinted abstr. of presented paper.
Description of research facilities
provided through a cobalt field
constructed on the campus of Emory
University, & a radiation field
provided in North Georgia by a
partially shielded reactor. Description
follows of the several projects which
provide support for the program. Incl.
special projects on plants & animals.

:sjh

G

Rabinowitch, E. (1959) 59-7955
Proc.Int.bot.Congr., 9(2A):29-30
Robert Emerson's investigations of
the action spectra of photosynthesis
(in memory of Robert Emerson)

Preprinted abstr. of presented paper.
Emerson's investigations of algae of
different classes extended from 1941 to
1959.

:sjh

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Ross, R. (1959) 59-7956
Proc.Int.bot.Congr., 9(2A):30-1
The phylogeny of algae and the
classification of organisms

Preprinted abstr. of presented paper.
Current views about the phylogenetic
relationships of algae & other
organisms. A phylogenetic classification
based on these views would differ
greatly from current systems - the
primary division would not be between
plants & animals.

:sjh

MF

Starr, R.C. (1959) 59-7957
Proc.Int.bot.Congr., 9(2A):36
Morphogenesis in desmids

Preprinted abstr. of presented paper.
The mechanism of cytoplasmic control
is discussed. Examples of normal &
aberrant cell shapes are ill. for
various genera.

:sjh

MF

Thompson, R.H. (1959) 59-7960
Proc.Int.bot.Congr., 9(2A):38-9
Some aspects of phylogeny in the
Chlorophyta

Preprinted abstr. of presented paper.
The current schemes of green algae
phylogeny are reviewed. A different
phylogenetic scheme is presented.

:sjh

MF

Symoen, J.-J. (1959) 59-7958
Proc.Int.bot.Congr., 9(2A):37
Le développement massif de cyanophycées
planctoniques dans le lac Tanganyika
(Massive development of planctonic
cyanophytes in Tanganyika Lake)

Preprinted abstr. of presented paper.
Anabaena flos-aquae. Abundance also
of Limnocaridina retiaris.

:sjh

F

U.S.S.R. Academy of 59-7961
Sciences (1959)
Trud.Inst.Okeanol., 25:199
(Problems of methods of oceanological
research). Ru

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Thompson, R.H. (1959) 59-7959
Proc.Int.bot.Congr., 9(2A):38
Morphological adaptation and
physiological interdependence in
freshwater algae

Preprinted abstr. of presented paper.
As a group their ecology can be
discussed in broad generalities only.
Habitats may be grouped in 2 main
ecological conditions: the relatively
stable & the drastically fluctuating.
Within this framework are discussed
morphological adaptation, physiological
interdependence, temperature & pH, &
special ecological niches.

:sjh

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Anonymous (1959) 59-7962
Riv.Met.Aero., 13(2):99
Crociere italiane nel mar Tirreno per
l'A.G.I. (Italian cruises in the
Tyrrhenian Sea for the I.G.Y.)

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J.Inst.Navig., 11:117-24
Doppler navigation. 1. Airborne
doppler equipment

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Trud.Inst.Okeanol., 25:62-87
(Trials of the electro-magnetic
currentmeter in the open sea). Ru

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Carrier, G.F. & 59-7864
H.P. Greenspan (1958)
J.Fluid Mech., 4:97-109
Water waves of finite amplitude on a
sloping beach

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J.Inst.Navig., 11:143-5
Doppler navigation. Part 5. The sea
surface and doppler

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Kolesnikov, A.G. et al. (1958) 59-7865
Bull.Acad.Sci.U.R.S.S., (geophys.),
405-13
(Apparatus and methods for the
registration of turbulent micro-
pulsations in the temperature and
current speeds of the sea). Ru

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Pavlov, V.M. & 59-7968
V.I. Kuksa (1957)
Trud.Inst.Okeanol., 25:88-97
(Experience with the bathythermograph
TB-52 (T-52)). Ru

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Isozaki, I. (1958) 59-7969
Tokyo, J.Met.Res., 10:205-11
(The effects of "Kuroshio"-Current
on the northeasterly wind waves over the
southward sea area off Kanto District).
Ni En

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Wojnicz, B. (1957) 59-7970
Przegl.Geofiz., 2:53-8
(Overflow of salt water in the Baltic
Sea observed during the month of
November 1951). Pl

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(Problems of methods of oceanological
research). Ru

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Seewart, 19(1):37-9
Kapitän Peter Petersen und seine
Windstärken-Skala (Captain Peter
Petersen and his scale of wind power)

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Mikulski, Z. (1957) 59-7973
Przegl.Geofiz., 2:199-201
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national pour l'exploration de la mer
(Copenhagen, 1-9 ottobre 1956); XV
Assemblea plenaria della Commissione
internazionale per l'esplorazione
scientifica sul mare Mediterraneo
(Istanbul, 12-15 settembre 1956)
(Report on the talassographic meetings
in Istanbul and Copenhagen in 1956;
46th Meeting of ICES, Copenhagen,
1-9 October 1956; 15th Plenary
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Schwankungen des Meeresspiegels (On
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(Analogy between oceans and air
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Seasonal variations in sea-water
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Wellington, Lyttelton, Timaru, Otago, &
Bluff compiled from observations taken
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implications of widely fluctuating
temperatures within harbor waters are
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& harbors is appended. (Issued as
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the codes for weather reports from and
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Forecast of water temperature in the
sea south of Hokkaido

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General review of departmental
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FAO:glk

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territories of the maritime region and
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Sci.Progr., London, 46:83-91
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such as lakes.

FAO:sjh

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Dr. J. Travis Jenkins, C.B.E.

Obituary of this ichthyologist.

GLK:sjh

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Nature, Lond., 183:1161
Institute of Oceanography, Dalhousie:
Prof. Ronald Hayes

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GLK:sjh

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Prof. Pierre Fauvel

Obituary of this specialist on
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GLK:sjh

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Nature, Lond., 183:788
Prof. F.J. Cole, F.R.S.

Obituary of this scientist who worked
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GLK:sjh

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MF

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mussels (Bivalvia) of the German sea
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100-35
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M

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To reduce annual kill of seatrout &
salmon, a screen has been installed
about 1 mile above the Low Wood Power
Station on the River Leven.

FAO:a

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Contents as per title.

FAO:

MF

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catches (Penaeus, Xiphoneneus, Cynoscion,
Macrodon, Nebris, Arriidae, croakers);
weather conditions.

FAO:sjh

M

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Comm.Fish.Rev., 21(9):19-20
Alaska - Record number of Taku River
king salmon captured by fish wheel

Contents as per title.

FAO:

MF

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Comm.Fish.Rev., 21(9):19
Alaska - Biologists produce large run
of young red salmon in research lake

Contents as per title.

FAO:

MF

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Comm.Fish.Rev., 21(9):20
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commercial and sport fishing continued

Contents as per title.

FAO:

M

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Comm.Fish.Rev., 21(9):21-2
California - Barracuda and White Sea
bass survey off Baja California and
southern California continued (M/V
N.B. SCOFIELD Cruise 59S3 - Barracuda-
White Sea bass)

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FAO: M

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survey off coast of southern and
central California continued (M/V
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FAO: M

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southern Mexico and Peru (M/V
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FAO: M

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Albacore tuna migrations in North
Pacific studied by M/V HUGH M. SMITH
Contents as per title.

FAO: M

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skipjack tuna to be made during
Hawaiian summer fishery

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):27
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indicate skipjack tuna migrate into
Hawaiian waters from the west

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FAO: M

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Equipment note No. 1 - New all-
aluminum salmon gill-net boats built
for Alaska fishery

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):30
Great Lakes - Pickerel fluctuations
being studied

Contents as per title.

FAO: F

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Comm.Fish.Rev., 21(9):31
Great Lakes - Sea lamprey control
studies

Contents as per title.

FAO: MF

Anonymous (1959) 59-8032
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Great Lakes fisheries exploration and
gear research - Exploratory fishing
in Lake Erie continued (M/V ACTIVE
Cruise 2)

Contents as per title.

FAO: F

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Comm.Fish.Rev., 21(9):32-3
Great Lakes fishery investigations -
Survey of southeastern Lake Superior
by M/V CISCO

Contents as per title.

FAO: F

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Comm.Fish.Rev., 21(9):33-4
Great Lakes fishery investigations -
Western Lake Erie biological research
continued (M/V GEORGE L. Cruises 3 and
4)

Contents as per title.

FAO: F

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Comm.Fish.Rev., 21(9):34-5
Great Lakes fishery investigations -
Western Lake Superior fishery survey
continued (M/V SISCOWET Cruise 2)

Contents as per title.

FAO:

F

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Comm.Fish.Rev., 21(9):36
Iowa - Regulations on commercial
fishing on the Mississippi River
enforced

Contents as per title.

FAO:

F

Anonymous (1959) 59-8036
Comm.Fish.Rev., 21(9):35
Gulf exploratory fishery program -
Underwater observation of shrimp trawl
(M/V CHARLES M. BOWERS Cruise 20)

Contents as per title.

FAO:

M

Anonymous (1959) 59-8039
Comm.Fish.Rev., 21(9):37
Maryland - Oyster spat count on test
shells, 1959 season

Contents as per title.

FAO:

M

Anonymous (1959) 59-8037
Comm.Fish.Rev., 21(9):35-6
Gulf of Mexico - Industrial fishery
studies

Contents as per title.

FAO:

M

Anonymous (1959) 59-8040
Comm.Fish.Rev., 21(9):37-8
North Atlantic fisheries exploration and
gear research - Promising catches of
the deep-water red crab made by M/V
DELAWARE (Cruise 59-7)

Contents as per title.

FAO:

M

Anonymous (1959) 59-3041
Comm.Fish.Rev., 21(9):38-9
North Pacific exploratory fishery
program - Exploratory fishing vessel
to assess fishery potential and
collect oceanographic data in Arctic
Ocean's Chukchi Sea (M/V JOHN N. COBB
Cruise 43)

Contents as per title.

FAO: M

Anonymous (1959) 59-8042
Comm.Fish.Rev., 21(9):40
Oysters - Long Island Sound studies

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):40-1
Oysters - Raft-grown type grow fast

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):41
Oysters - Setting under artificial
conditions

Contents as per title.

FAO: M

Anonymous (1959) 59-8045
Comm.Fish.Rev., 21(9):41
Salmon - Progress report on North
Pacific research

Contents as per title.

FAO: MF

Anonymous (1959) 59-8046
Comm.Fish.Rev., 21(9):42
Shad - Atlantic coast studies

Contents as per title.

FAO: MF

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Comm.Fish.Rev., 21(9):42
Shrimp - Stains used to mark shrimp for
migration studies

Contents as per title.

FAO: M

Anonymous (1959) 59-8048
Comm.Fish.Rev., 21(9):42-3
Striped bass - East coast research

Contents as per title.

FAO: M

Anonymous (1959) 59-8049
Comm.Fish.Rev., 21(9):48-9
Virginia - Biologists experiment with
mesh size of crab pots

Contents as per title.

FAO: M

Anonymous (1959) 59-8050
Comm.Fish.Rev., 21(9):49
Whaling - Pacific coast whaling season
open

Contents as per title.

FAO: M

Anonymous (1959) 59-8051
Comm.Fish.Rev., 21(9):50
Killing whales with carbon dioxide
shells

A new Norwegian invention will be
tried out off Iceland.

FAO:sjh M

Anonymous (1959) 59-8052
Comm.Fish.Rev., 21(9):52
International - International labor
organization - Commercial fishermen
labor instruments adopted by
Conference

Contents as per title.

FAO: MF

Anonymous (1959) 59-8053
Comm.Fish.Rev., 21(9):54-6
International - Eleventh Annual Meeting
of International Whaling Commission

Contents as per title.

FAO: M

Anonymous (1959) 59-8056
Comm.Fish.Rev., 21(9):60-1
Cuba - Closed seasons for shrimp,
oysters, and tortoises

Contents as per title.

FAO: M

Anonymous (1959) 59-8054
Comm.Fish.Rev., 21(9):59-60
Chile - Legislation drafted to promote
fishing industry

Contents as per title.

FAO: M

Anonymous (1959) 59-8057
Comm.Fish.Rev., 21(9):62
Ethiopia - Development of commercial
fishing industry planned

Contents as per title.

FAO: M

Anonymous (1959) 59-8055
Comm.Fish.Rev., 21(9):60
Cuba - Closed season on spiny lobster
ends

Contents as per title.

FAO: M

Anonymous (1959) 59-8058
Comm.Fish.Rev., 21(9):62-3
French Guiana - Development of shrimp
fishery planned

Contents as per title.

FAO: M

Anonymous (1959) 59-8059
Comm.Fish.Rev., 21(9):63
Greenland - Facilities for fishing
industry to be expanded

Contents as per title.

FAO: M

Anonymous (1959) 59-8062
Comm.Fish.Rev., 21(9):69
Japan - World-wide tuna fishing cruise
planned

Contents as per title.

FAO: M

Anonymous (1959) 59-8060
Comm.Fish.Rev., 21(9):65
India - Experiment with Thailand carp in
West Bengal waters

Contents as per title.

FAO: F

Anonymous (1959) 59-8063
Comm.Fish.Rev., 21(9):71-2
Japan - New tuna long-liner completed
No. 18 SEISHO MARU.

FAO:sjh M

Anonymous (1959) 59-8061
Comm.Fish.Rev., 21(9):68-9
Japan - Fishermen seek albacore on
distant grounds

Contents as per title.

FAO: M

Anonymous (1959) 59-8064
Comm.Fish.Rev., 21(9):73
Japan - Loans for construction of
fishing vessels in 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-8065
Comm.Fish.Rev., 21(2):73
Japan - Second tuna vessel for the
Soviet Union completed

Contents as per title.

FAO: M

Anonymous (1959) 59-8068
Comm.Fish.Rev., 21(9):75
Japan - North Pacific salmon fishing
firms apply for permits to fish for
tuna in Fiji Islands area

Contents as per title.

FAO: MF

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Comm.Fish.Rev., 21(9):73-4
Japan - Tuna fishermen's federation
opposed redeployment of salmon
fishermen

Contents as per title.

FAO: MF

Anonymous (1959) 59-8069
Comm.Fish.Rev., 21(9):75
Japan - Price of tuna fishing rights
rising steeply

Contents as per title.

FAO: M

Anonymous (1959) 59-8067
Comm.Fish.Rev., 21(9):74
Japan - Disposal of four salmon fleet
considered

Contents as per title.

FAO: MF

Anonymous (1959) 59-8070
Comm.Fish.Rev., 21(9):75
Japan - Japanese-Moroccan company to
trawl for shrimp and bottom fish in
South Atlantic

Contents as per title.

FAO: M

Anonymous (1959) 59-8071
Comm.Fish.Rev., 21(9):75-6
Japan - More Japanese fishing trawlers
to operate off Northwest African coast

Contents as per title.

FAO.

M

Anonymous (1959) 59-8074
Comm.Fish.Rev., 21(9):77-8
Japan - Survey of earnings by Japanese
fishermen

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8072
Comm.Fish.Rev., 21(9):76
Japan - New tuna vessel to fish in
Indian Ocean

Contents as per title.

FAO:

M

Anonymous (1959) 59-8075
Comm.Fish.Rev., 21(9):78-9
Japan - North Pacific whaling trends

Contents as per title.

FAO:

M

Anonymous (1959) 59-8073
Comm.Fish.Rev., 21(9):76-7
Japan - Bering Sea trawler activity
increasing

Contents as per title.

FAO

M

Anonymous (1959) 59-8076
Comm.Fish.Rev., 21(9):79
Japan - Agar-agar industry trends

Contents as per title.

FAO:

M

Anonymous (1959) 59-8077
Comm.Fish.Rev., 21(9):81-2
Norway - Fisheries project in India to
be continued

Contents as per title.

FAO: M

Anonymous (1959) 59-8080
Comm.Fish.Rev., 21(9):87-8
Tunisia - Eight trawlers purchased in
Italy

Contents as per title.

FAO: M

Anonymous (1959) 59-8078
Comm.Fish.Rev., 21(9):81
Netherlands - Frogmen study trawl-net
fishing

Contents as per title.

FAO: M

Anonymous (1959) 59-8081
Comm.Fish.Rev., 21(9):88
Uganda - Nylon nets and mechanization
double fish catch

Contents as per title.

FAO: F

Anonymous (1959) 59-8079
Comm.Fish.Rev., 1(9):84-5
South-West Africa - Fishery landings
and production, 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-8082
Comm.Fish.Rev., 21(9):89
U.S.S.R. - Whaling super-factoryship
completed

Contents as per title.

FAO: M

Anonymous (1959) 59-8083
Comm.Fish.Rev., 21(9):89-90
United Kingdom - Plan for development
of pilchard industry initiated

Contents as per title.

FAO:

M

Anonymous (1959) 59-8086
Comm.Fish.Rev., 21(9):95
Department of Commerce - Coast and
geodetic survey

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8084
Comm.Fish.Rev., 21(9):90-1
Venezuela - Estimated fishery landings
and utilization, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-8087
Comm.Fish.Rev., 21(9):96-7
Eighty-sixth Congress (First Session) -
Columbia River fisheries investigation

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8085
Comm.Fish.Rev., 21(9):91-2
Venezuela - Otter trawl gear
regulations revised

Contents as per title.

FAO:

M

Anonymous (1959) 59-8088
Comm.Fish.Rev., 21(9):97
Eighty-sixth Congress (First Session) -
Dumping restrictions in coastal
waters

Contents as per title.

FAO:

M

Anonymous (1959) 59-8089
Comm.Fish.Rev., 21(9):97
Eighty-sixth Congress (First Session) -
Fish hatcheries

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8092
Comm.Fish.Rev., 21(9):98
Eighty-sixth Congress (First Session) -
Game fish in dam reservoirs research

Contents as per title.

FAO:

F

Anonymous (1959) 59-8090
Comm.Fish.Rev., 21(9):97
Eighty-sixth Congress (First Session) -
Fish and wildlife aid through equipment
transfers

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8093
Comm.Fish.Rev., 21(9):98
Eighty-sixth Congress (First Session) -
Interstate transportation of fish

Contents as per title.

FAO:

F

Anonymous (1959) 59-8091
Comm.Fish.Rev., 21(9):97
Eighty-sixth Congress (First Session) -
Fish and wildlife cooperative research
training units

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8094
Comm.Fish.Rev., 21(9):99
Eighty-sixth Congress (First Session) -
Insecticides effect upon fish and
wildlife

Contents as per title.

FAO:

F

Anonymous (1959) 59-8095
Comm.Fish.Rev., 21(9):99
Eighty-sixth Congress (First Session) -
Marine game fish research

Contents as per title.

FAO:

M

Anonymous (1959) 59-8098
Comm.Fish.Rev., 21(9):99
Eighty-sixth Congress (First Session) -
Power projects fisheries resources
protection

Contents as per title.

FAO:

F

Anonymous (1959) 59-8096
Comm.Fish.Rev., 21(9):99
Eighty-sixth Congress (First Session) -
North Pacific fishery resources
protection

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8099
Comm.Fish.Rev., 21(9):100
Eighty-sixth Congress (First Session) -
Radioactive material disposal restric-
tions

Contents as per title.

FAO

M

Anonymous (1959) 59-8097
Comm.Fish.Rev., 21(9):99
Eighty-sixth Congress (First Session) -
Oceanography

Contents as per title.

FAO:

M

Anonymous (1959) 59-8100
Comm.Fish.Rev., 21(9):100
Eighty-sixth Congress (First Session) -
Salt-water research laboratory

Contents as per title.

FAO:

M

Power, E.A. (1959) 59-8101
Statist.Dig.U.S.Fish Wildl.Serv., (44):
431 p.
Fishery statistics of the United States
1957
CFR 21(9):111.

MF

Sogandares-Bernal, F. & 59-8104
R.F. Hutton (1959)
J.Parasit., 45(1):114-8
Bivesicula tarponis, a new trematode
in the tarpon, Megalops atlanticus
(Cuv. & Val.), from the west coast of
Florida
CFR 21(9):116-7.

M

Alaska. Department of 59-8102
Fish & Game (1958)
Rep.Alaska Dep.Fish., (9):123 p.
1957 Annual Report
CFR 21(9):111-2.

MF

Segman, R. (1959) 59-8105
Sci.News Lett., 75(26):407, 410
Wanted: Poisonous fish
CFR 21(9):117.

MF

Florida. Game & Fresh 59-8103
Water Fish Commission (1959)
Tallahassee, 20 p.
Florida fresh water fish and fishing
CFR 21(9):114.

F

van Pel, H. (1959) 59-8106
Quart.S.Pacif.Comm., 9(2):21, 36
Norfolk Island fisheries survey
CFR 21(9):118.

M

Guibé, J. (1958) 59-8107
Bull.Mus.Hist.nat., Paris, 30(4):329-41
 André Marie-Constant Duméril, le père
 de l'erpétologie. Leçon inaugurale du
 cours de zoologie (reptiles et poissons)
 prononcée le 29 Avril 1958 (A.M.-C.
 Duméril, the father of herpetology.
 The inaugural lecture in the course in
 zoology (reptiles and fish), presented
 April 29, 1958)

BA 33A(12):43634. A review of the work
 & contributions of Duméril to the
 science of herpetology.

:jg

F

Kawakami, T, K. Mitsuhashi 59-8110
 & O. Suzuki (1958)
Mem.Coll.Agric.Kyoto (Fish.Ser.),
 Special number:83-91
 General theory of fishermen's current
 measuring device, siomiito

BA 33A(12):43721. A mathematical
 paper with practical applications,
 incl. proposals for new designs. Sio
 means tidal current, mi, to detect,
 & ito, a fine string. In field tests
 of the siomi-ito against an Ekman-
 type current meter.

:sjh

M

Drew, K.M. (1958) 59-8108
Pubbl.Staz.zool.Napoli, 30(3):358-72
 Studies in the Bangiophycidae. IV. The
 Conchocelis phase of Bangio fuscopur-
purea (Dillw) Lyngbye in culture

BA 33A(12):43676. Grown in culture from
 filaments collected at Naples.
 Experiments show phase is able to spread
 from shell to shell in culture vessels
 whether the shells are in contact or
 not.

ba

M

Kreps, E.M. (1958) 59-8111
Proc.Int.Conf.Sci.Res., 1(3):446-56
 The development of oxidative
 phosphorylation of the brain in the
 evolution of vertebrates

BA 33A(12):43757. Low values of the
 coefficient of phosphrylation in the
 brain of fishes. Suggests that in
 aquatic vertebrates there is little
 association of phosphorylation &
 oxidation in the brain. In fishes &
 amphibians penetration rate of
 phosphorus from the blood stream into
 the brain is higher than in terrestrial
 vertebrates.

:sjh

MF

Arnoult, J. & 59-8109
 J. Spillmann (1958)
Bull.Mus.Hist.nat., Paris, 30(4):386-92
 Sur quelques techniques actuelles
 facilitant le confinement et le
 transport d'animaux aquatiques vivants
 (On some special techniques which
 facilitate the maintenance and
 transportation of living aquatic
 animals)

BA 33A(12):43711. For some fish, an
 anesthetic such as chlorotone may
 be used or tranquilizers such as
 chlorpromazine & amobarbital. Plastic
 bags were successful. A tabular
 summary is given.

:sjh

M

De Medeiros Tinoco, I.(1959)59-8112
An.Acad.bras.Cienc., 30(4):575-84
 Obsevações sobre a microfauna de
 foraminíferos da Lagoa de Araruama,
 Estado do Rio de Janeiro (Notes on
 the foraminifera of the Araruama
 lagoon, Rio de Janeiro)

BA 33A(12):44192. Study to analyze
 the ecological factors of the
 environment. Six spp. of foraminifera
 & a number of spp. of mollusca were
 collected from shallow bottom debris.

:sjh

MG

Holte Dahl, H. (1959) 59-8113
J. sediment. Petrol., 29(1):16-29
 Geology and paleontology of Norwegian
 Sea bottom cores

BA 33A(12):44199. Detailed description
 of distribution of foraminifera in 96 cm.
 core from depth of 2,950 m.

:ba

"

Hasler, A.D. (1958) 59-8116
Proc. Int. Conf. Sci. Res., 1(4):658-75
 Natural and artificially (air-ploughing)
 induced movement of radioactive
 phosphorus from the muds of lakes

BA 33A(12):44216. Lakes are wasteful
 of the P entering them. Therefore
 intrafertilization procedures promise
 increased production of fish. Lakes as
 experimental models for oceanographic
 & isotope studies.

:ad

F

Eberly, W.R. (1959) 59-8114
Dissert. Abstr., 19(9):2411-2
 The metalimnetic oxygen maximum in
 Myers Lake

BA 33A(12):44214.

F

Leentvaar, E. (1957) 59-8117
Levende Nat., 60(2):32-7
 Hydrobiologische waarnemingen in duin-
 plassen op Terschelling
 (Hydrobiological observations in pools
 in the dunes of the Isle of Terschelling,
 Netherlands)

BA 33A(12):44218.

MF

Hansen, K. (1959) 59-8115
J. sediment. Petrol., 29(1):38-46
 Sediments from Danish lakes

BA 33A(12):44215. Muds consist of
 organic matter (Lumus), nitrogenous
 matter & inorganic biogenic matter.
 Chemical analysis to differentiate
 neutral humus from acid humus.

:sjh

F

Radoman, E. (1957) 59-8118
Arch. Biol. Sluk., 8(1/2):21-7
 Prilog poznavanju malakoske faune
 Prespanskog jezera (Contribution
 to the malacology of Lake Prespa in
 Macedonia). Fr

BA 33A(12):44220. Comparative studies
 of mollusc populations to shed light
 on origin of large lakes of the Balkan
 Peninsula. Detailed morphological &
 anatomical study on what was previously
 reported as Micromelania prespensis
 showed it to be Pyrgula prespensis.

:sjh

F

Van der Voo, E.E. (1957) 59-8112
Levende Nat., 60(6):173-33
De Oostenrijk (The Netherlands)

BA 33A(12):44222. Description of a stagnant & shallow body of water, elongate in shape, in the polderland SW of Rotterdam. Higher plants occurring are mentioned

tsjh

Krivánek, R.C. & 59-8122
J.O. Krivanek (1959)
Trans. Amer. micr. Soc., 78(1):77-81
A new species of Stylochaeta (Gastrotricha) from Louisiana

BA 33E(12):47270. S. curviseta in ditches near Boutte, St. Charles Parish.

S

F

Beers, C.D. (1959) 59-8120
J. Elisha Mitchell sci. Soc., 75(1):3-10
Some observations on the autecology of the ciliate Conchophthirus mytili

BA 33E(12):47232. In July-Aug., 1958, at Salisbury Cove, Maine, nearly every Mytilus edulis that was examined had on its foot from 10 to 50 specimens of C. mytili. No correlation between division & cycles of water propulsion of host. Tolerance for sea water food.

tsjh

M

Papi, F. (1957) 59-8123
Pubbl. Staz. zool. Napoli, 30(1):177-82
Tre nuovi gastrotrichi mediterranei (Three new gastrotrichs from the Mediterranean.)

BA 33E(12) 47271. Diagnostic characters for Turbanella cirrata from littoral waters near Cuma, Macrodasys gerlachi & M. neapolitanus from sandy bottom of Gulf of Naples.

tsjh

M

Debaisieux, P. (1959) 59-8121
Cellule, 59(3):362-83
Lagenophrys lunatus, Im. Ciliate, péritriche (Lagenophrys lunatus (Ciliata, Peritricha))

BA 33E(12):47256. Cytological & ecological study of a parasitic sp., heavily infesting Palaemon spp. of brackish water. Sexual (conjugation) & parthenogenic (fission) processes are described. A parasite of Lagenophrys is described.

tsjh

MF

Sigeo, G. (1958) 59-8124
Zool. Mag., Tokyo, 67(12):383-9
On some species of cumacean crustacea from Sagami Bay

BA 33E(12):47296. Describes 2 spp., Eocuma lata Galman & Ishionoe sagamiensis.

tsjh

M

Vernet-Cornubert, G. (1958) 59-8125
Arch.zool.exp.gén., 96(3):104-276
 Recherches sur la sexualité du crabe
Pachygrapsus marmoratus (Fabricius)
 (Researches on the sexuality of the
 crab Pachygrapsus marmoratus (Fabricius))

BA 33E(12):47300. Feminization of
 external sex characters of males
 parasitized by Sacculina found to be
 independent of state of gonads.

:sjh

M

Basch, P.F. (1959) 59-8128
Misc.Publ.Mus.Zool.Univ.Mich., 108:1-56
 The anatomy of Laevapex fuscus, a
 freshwater limpet (Gastropoda: Pulmo-
 nata)

BA 33E(12):47393. Specimens of this
 ancyliid snail were collected in the
 vicinity of Ann Arbor, Michigan. Field
 methods & maintenance in laboratory
 are described: anatomical features
 with comparisons with investigations
 reported by other workers on other
 ancyliid spp.

:sjh

F

Word, B.H., Jr. & 59-8126
 H.H. Hobbs, Jr. (1958)
Trans.Amer.micr.Soc., 77(4):435-50
 Observations on the testis of the
 crayfish Cambarus montanus acuminatus
 Faxon

BA 33E(12):47301. Gross & histological
 descriptions of the testis & its annual
 cyclic pattern of activity are presented,
 & the activity is correlated with the
 cyclic dimorphisms in the male.

:ba

F

Basch, P.F. (1959) 59-8129
Occ.Pap.Mus.Zool.Univ.Mich., 602:1-9
 Status of the genus Gundlachia (Pulmo-
 nata, Ancyliidae)

BA 33E(12):47394. History of the
 genus is reviewed. Shells of septate
 & post-septate forms are ill. Habitat
 of Gundlachia in all parts of the
 world appears to be restricted to
 ponds, swamps, & temporary pools in
 which the water level fluctuates
 greatly.

:sjh

F

Allanson, B.R. (1958) 59-8127
Portug.acta biol., 6B(2):179-212
 Some aspects of the ecology of the
 molluscan genus Siphonaria in South
 Africa

BA 33E(12):47391. Second part of study.
 Deals with the physical conditions in
 the intertidal zone & the vertical
 distribution of S. capensis, S. aspera &
S. deflexa on shores of Cape Peninsula.

:sjh

M

Frieswijk, J.J. (1958) 59-8130
Arch.néerl.Zool., 12(4):562-3
 The leech-defence reaction of Physa
fontinalis (L.) and Physa acuta Drap

BA 33E(12):47401.

F

Alexander, R.M. (1959) 59-8131

J.exp.Biol., 36(2):333-40

The densities of Cyprinidae

BA 33E(12):47416. Mean sinking factor of each 8 spp. determined by a method involving measurement of the pressure at which anesthetized specimens float. Roach, dace & carp.

:sjh

F

Honma, Y. (1958)

59-8134

S. Murakawa (1958)

Collect. & Breed., 20(4):99-101

Notes on young of a Japanese genuine Halichoeres tenuispinnis (Günther)

BA 33E(12):47429. First report on color pattern of young of this sp.

:sjh

M

Halstead, B.W. &

59-8132

D.W. Schall (1958)

Acta trop., Basel, 15(3):193-233

A report on the poisonous fishes of the Line Islands

BA 33E(12):47426. A total of 89 sp. of marine fishes in 24 families, the majority of which are shore inhabitants, was tested. 67% were toxic.

:sjh

M

Metcalf, A.L. (1959)

59-8135

Publ.Mus.nat.Hist.Univ.Kansas, 11(6):345-400

Fishes of Chautauqua, Cowley and Elk Counties, Kansas

BA 33E(12):47437. Fish fauna of the area studied is transitional between the Ozarkian & Great Plains fauna. Fluctuation in water level important in determining distribution. In several instances, the only fishes found in isolated pools were Lepomis cyanellus & Ictalurus melas. Faunal associations are compared & discussed.

:sjh

F

Honma, Y. (1958)

59-8133

Collect. & Breed., 20(2):62-3

On the ambicoloration found in a red halibut, Hippoglossoides dubius (SCHMIDT), from Sea of Japan

BA 33E(12):47428. First report on ambicoloration of this sp.

:sjh

M

Minckley, W.L. (1959)

59-8136

Publ.Mus.nat.Hist.Univ.Kansas, 11(7):401-42

Fishes of the Big Blue River Basin, Kansas

BA 33E(12):47438. Geography & geology of region; its climate, population, & land use; physical features of streams; & previous records of fishes are discussed. Annotated list of 53 spp. Citations of previous records & the stations where obtained. Relative abundance of the spp. Table showing frequency of occurrence in sandy streams, muddy streams, & gravelly streams. Notropis lutrensis was the most abundant.

59-8136
(Card 2)

Its spawning behaviour is described.
Creel census in 1957 & in 1958.
Fishing pressure.

:sjh

F

Tavolga, W.N. (1959) 59-8140
Biol.Rev.Coll.N.Y., 21(1):4
A blenny guards his brood

BA 33E(12):47448.

M

Slastenenko, E.P. (1958) 59-8138
Toronto, Kiev Printers, 385 p.
The freshwater fishes of Canada

BA 33E(12):47443. Detailed description
& identification tables for 185 native
& introduced spp; incl. synonymy,
taxonomy, distribution, & general
information on size, habitat, food
habits & commercial value. Growth rates
are ill. Keys to the families, genera,
& spp.; a glossary, references, index
to scientific & common names, & a
distributional summary.

:sjh

F

Whitley, G.P. (1958) 59-8141
Aust.Mus.Mag., 12(12):398-401
New Guinea fishes

BA 33E(12).47450. Popular account of
various odd or characteristic spp.
Marine spp. are similar to those
from the Red Sea to Madagascar &
across the Indo-Australian archipelagoes
to the Southern Pacific Ocean.

:ba

MF

Whitley, G.P. (1958) 59-8139
Aust.Mus.Mag., 12(9) 274-8
The ghost pipefish

BA 33E(12):47449. General description
of Solenichthys sp.

:sjh

M

Palik, P. (1957) 59-8142
Ann.Univ.sci.Budapest, (Biol.), 1:205-18
Studien über Hildenbrandia rivularis
(Liebm.) J.Ag. (Studies on
Hilednbrandia rivularis (Liebm.)).

F

Mohapatra, P. (1957) 59-8143
J. Bombay nat. Hist. Soc., 54(3):773-5
The "marala" a silt net used in the
backwaters of Ganjam, Orissa

BA 32A(12):39264. The net is described,
ill. & its operation discussed in
detail.

sjh

MF

M

Drew, K.M. (1958) 59-8144
J. Linn. Soc. (Bot.), 55:744-52
The typification of Polyides and
Furcellaria

M

Kornas, J. (1958) 59-814
Bull. Acad. polon. Sci. (Biol.), 7(2):1,
on bottom vegetation of the Bay of
Gdansk off Rewa

Goodwin, T.W. (1958) 59-8147
Qualitas Plantarum et Materiae
Vegetabiles, (3/4):262-80
Some problems of carotenoid formation
in photosynthetic tissues

G

Sasson, A. (1959) 59-8145
Trav. Inst. sci. chérif. (Bot.), (17):83
Recherches ecologiques et biologiques
sur les algues d'une mare temporaire
(Ecological and biological investigations
on algae in a temporary pond)

M

Ohle, W. (1958) 59-8148
Vom Wasser, 25:127-49
Die Stoffwechseldynamik der Seen in
Abhängigkeit der Gasausscheidung
ihres Schlammes (Metabolism
dynamics of lakes in relation to the
gas elimination of their muds)

F

Norris, J.R. (1959) 59-8149
Lab. Pract., 8:239-43
The isolation and identification of
azotobacters

MF

Hawkes, H.A. (1959) 59-8150
J. appl. Biol., 47:339-49
The effects of methods of sewage
application on the ecology of bacteria
beds

MF

Rawson, D.S. (1959) 59-8151
Fish. Rep. Saskatch. Dep. nat. Resour., 4:73 p.
Limnology and fisheries of Croon and
Tollaston Lakes in northern Saskatchewan

F

Macan, T.T. (1959) 59-8152
London, Longmans, 118 p.
A guide to freshwater invertebrate
animals

F

Danieli, J.F., K.G.A. 59-8153
Pankhurst & A.C. Riddiford (Eds.) (1959)
London, Pergamon Press, 330 p.
Surface phenomena in chemistry and
biology

G

Adrov, M.M. (1957) 59-8154
Trud. poliar. N.-I. Inst. Morsk. Rybn.
Okeanogr., 10:198-211
(Hydrological investigations in the
Kopytov area). Ru

F

Ohle, W. (1959) 59-8155
Natur u. Volk, 89:177-88
 Blick in die Tiefe des Grossen Plöner
 Sees mit Fernseh-und Photo-Kameras
 (A flash in the deep Grosse Plöner See
 with television and photographic cameras)

F

Stick, O. (1958) 59-8158
Prace Výsk.úst.Vodohosp., Bratislava, (2)
 115 p.
 (Treatise on drift laws of solid
 materials). Cs Fr

F

Rossolimo, L.L. (1957) 59-8156
Trud.Baikal.limnol.Sta., 16:551
 Temperaturii rezhim ozera Baikal
 (Temperature conditions in Lake Baikal)

F

Stauffer, T.M. & 59-8159
 M.J. Hansen (1958)
Mis.Publ.Inst.Fish.Res.Mich.Univ., (11)
 25 p.
 Distribution of sea lamprey ammocoetes
 in Michigan tributaries of Lake
 Superior 1955-1957

MF

Prochazka, J. (1958) 59-8157
Prace Výsk.úst.Vodohosp., Bratislava,
(1):111 p.
 (The accuracy of velocity measurement
 and of water discharges with a current
 meter). Cs En

MF

Cocking, A.W. (1959) 59-8160
J.exp.Biol., 36:203-16
 The effects of high temperatures on
 roach (Rutilus rutilus). I. The effects
 of constant high temperatures

F

Cocking, A.W. (1959) 59-8161
J.exp.Biol., 36:217-26
The effects of high temperatures on
roach (Rutilus rutilus). II. The
effects of temperature increasing at
a known constant rate

F

Alexander, R.M. (1959) 59-8164
J.exp.Biol., 36:315-32
The physical properties of the
swimbladder in intact cypriniformes

F

Gordon, M.S. (1959) 59-8162
J.exp.Biol., 36:227-52
Ionic regulation in the brown trout

F

Alexander, R.M. (1959) 59-8165
J.exp.Biol., 36:341-6
The physical properties of the
isolated swimbladder in Cyprinidae

F

Gordon, M.S. (1959) 59-8163
J.exp.Biol., 36:253-60
Osmotic and ionic regulation in
Scottish brown trout and sea trout.
(Salmo trutta L.)

MF

Lauwerier, H.A. (1958) 59-8166
Repp.Math.Cent., Amsterdam, 52
The influence of some uniform
windfields upon a sea having the
same surface current distribution

LW

M

Alexander, R.M. (1959) 59-8167
J.exp.Biol., 36:347-55
The physical properties of the
swimbladder of fish other than
cypriniformes

MF

Khokhlina, N.S. (1957) 59-8170
Trud.poliar.N.-I.Inst.Morsk.Rybn.
Okeanogr., 10:212-29
(Distribution and migration of the
capelin in the Barents Sea during
the period 1945-52). Ru

M

Fryer, G. (1958) 59-8168
N.Rhodesia J., 7:483-8
Mwamfuli's village: the new fulcrum of
the Bangweulu fish trade

F

Prokhorov, V.S. (1957) 59-8171
Trud.poliar.N.-I.Inst.Morsk.Rybn.
Okeanogr., 10:230-43
(On the migrations and spawning of
the Barents Sea capelin in 1953 and
1954). Ru

M

Numann, W. (d.u. 1959?) 59-8169
Schweiz.FischZtg, 67(4/5):3 p.
Blaufelchenfischeri und -forschung
am Bodensee im Jahre 1958
(Fishing of and investigation on blue
char in Lake Constance during 1958)

F

Travin, V.I. (1957) 59-8172
Trud.poliar.N.-I.Inst.Morsk.Rybn.
Okeanogr., 10:161-71
(The fisheries of the redfish in the
southern part of the Barents Sea and
in the Kopytov area). Ru

M

Hisaoka, K.K. (1958) 59-8173
Trans.Amer.micr.Soc., 77:240-3
Microscopic studies of the telocyst
chorion

MF

Black, H.H. et al. (1957) 59-8176
Sewage industr.Wastes, 29(1) 53-75
Industrial waste guide - By-product
coke industry

BA 32A(12):39557. A comprehensive
report on the by-product coke
industry's effluent problems. United
States. Taste & odor imparted to
receiving waters & toxic effects on
aquatic life receive attention & data
from bio-assays using the fathead
minnow, Limnithales promelas, are incl.
for various effluent components.
Remedial measures.

agjh

F

Latta, W.C. (1959) 59-8174
Pap.Mich.Acad.Sci., 1958, 44:123-38
Significance of trap-net selectivity in
estimating fish population statistics

MF

Tjønneland, A. (1958) 59-8177
Univ.Bergen Arb.naturv.R., (17):20 p.
Observations on three species of
East African Chironomidae (Diptera)

F

Fryer, G. (1959) 59-8175
Rev.Zool.Bot.afr., 59:33-49
The breeding habits, embryology and
larval development of Labco victorinus
Boulenger

F

Fryer, G. (1959) 59-8178
Bull.ent.Res., 50:1-8
Lunar rhythm of emergence, differential
behaviour of the sexes and other
phenomena in the African midge,
Chironomus brevibucca (Kieff.)

F

Tjønnoiland, A. (1958) 59-8179
Univ. Bergen Arb. naturv. R., (16):12 p.
Observations on Chaoborus edulis
(Edwards) (Diptera, Culicidae)

F

Peabody, F.E. (1959) 59-8182
Univ. Calif. Publ. Zool., 63(1):1-72
Trackways of living and fossil
salamanders

F

Corbet, P.S. (1958) 59-8180
Rev. Zool. Bot. afr., 57:73-95
Some effects of DDT on the fauna of
the Victoria Nile

F

Underhill, F.H. (Ed.) (1959) 59-8183
Toronto, Univ. Press
The Canadian Northwest: its
potentialities

Contains 59-8184.

MFG

Corbet, P.S. (1959) 59-8181
Proc. R. ent. Soc. Lond., 34A:17-22
Notes on the insect food of the Nile
crocodile in Uganda

F

Rawson, D.S. (1959) 59-8184
In 59-8183:61-75
Biological potentialities

MFG

C.O.I. (1959) 59-8185
U.K. Min.Agr.Fish.Food
Hydrological investigations in the
Kopytov area

En transl. of 59-8154.

F

C.O.I. (1959) 59-8188
U.K. Min.Agr.Fish.Food
The fisheries of the redfish in the
southern part of the Barents Sea and
in the Kopytov area

En transl. of 59-8172.

M

C.O.I. (1959) 59-8186
U.K. Min.Agr.Fish.Food
Distribution and migration of the
capelin in the Barents Sea during
the period 1945-52

En transl. of 59-8170.

M

C.O.I. (1959) 59-8189
U.K. Min.Agr.Fish.Food
On the tube-building and food
absorption of certain Spionidae
(Polychaeta Sedentaria) of the
German coasts

En transl. of 59-8016.

M

C.O.I. (1959) 59-8187
U.K. Min.Agr.Fish.Food
On the migrations and spawning of the
Barents Sea capelin in 1953 and 1954

En transl. of 59-8171.

M

Emerson, W.K. (1958) 59-8190
Amer.Mus.Novit., 1894:1-25
Results of the Puritan-American Museum
of Natural History expedition to
western Mexico

BA 32A(12) 39190. Schooner sailed from
Newport, California on March 5, 1957,
along the west coast of Baja California,
the Tres Marias Islands off San Blas,
& in the Gulf of California & returned
on June 6, 1957. Fifty different
collecting localities were visited, 183
marine stations & 81 sediment stations
were established. Collections of recent
& fossil invertebrates, mammal &
herpetological specimens.

:sjh

M

Castenholz, R.W. (1958) 59-8191
Dissert. Abstr., 18(1):33-4
Seasonal changes in the algae of fresh-
water and saline lakes in the Lower
Grand Coulee, Washington

BA 32A(12):39558.

MF

Paterson, R.A. (1958) 59-8194
Dissert. Abstr., 18(4):1231
A contribution to the limnology and
mycology of the phycomycetes which
invade planktonic organisms

BA 32A(12):39564.

F

De Oliveira, L. et al. (1957) 59-8192
Mem. Inst. Osw. Cruz, 55(2):211-75
Observações hidrobiológicas e
mortalidade de peixes na Lagoa Rodrigo
de Freitas (Hydrobiological
observations and fish mortality in the
lagoon of Rodrigo de Freitas, Brazil)

BA 32A(12):39560. A description of the
lagoon is given along with studies
of the types of plankton present,
salinity, etc. tables indicate chemical
analyses of the water at different
points. Some causes involved are
changes in salinity, eruption of
Anabaena, the presence of Glenodinium
in the plankton. Overpopulation

Tsuda, M. & 59-8195
T. Watanabe (1958)
Jap. J. Ecol., 8(1):43-9
(Ecological study on the algae and the
aquatic insects of Satsuki-gawa,
Tsukigase-mura, Nara Prefecture).
Ni En

BA 32A(12):39566. Contents as per title.

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F

59-8192
(Card 2)

the accumulation of decomposition
products from the death of the fish
cause contamination. Means employed in
other countries to combat similar
conditions are discussed, & suggestions
made as to possible measures which may
be taken in Brazil to prevent this
lagoon from becoming a public health
hazard.

:sjh

MF

Sawyer, P.J. (1958) 59-8196
Dissert. Abstr., 18(4):1548-9
Investigation of the possibility of
selective chemical control of larval
Petromyzon marinus Linnaeus

BA 32A(12) 39598.

MF

Anonymous (1957) 59-8197
Tech.Rep.World Hlth Org., 130 3-36
African conference on bilharziasis

BA 32E(12):42281. Epidemiological surveys south of the Sahara are reviewed. Geographical distribution of its intermediate hosts. Control calls for participation of services responsible for irrigation, public works, agriculture & fisheries. Factors influencing epidemiology. Suggestions regarding international coordination of control & research, exchange of information, & training of personnel.

:sjh

F

Prost, M. (1957) 59-8198
Acta parasit.polon., 5(1/12):107-15
Dactylogirus vistulae sp. n. and
Gyrodactylus raabci sp.n. - new species
of Monogenoidea of gills fo fishes

BA 32E(12):42324. Detailed descriptions.

:sjh

F

Hobbs, H.H., Jr. & 59-8199
M. Walton (1958)
J.Elisha Mitchell sci.Soc., 74(1):7-12
Procambarus pearsei plumimanus, a new
crayfish from North Carolina (Decapoda,
Astacidae)

BA 32E(12):42356. Described from
Craven & Duplin counties, N.C.; new
locality records; notes on color &
habits.

:sjh

F

Moore, W.G. (1958) 59-8200
J.Wash.Acad.Sci., 48(5):169-75
On the occurrence of Streptocephalus
similis Baird in Mexico and the
United States

BA 32E(12):42364. The Dominican fairy
shrimp, Anostraca: Branchiopoda,
previously known only from the West
Indies, is here recorded from 11
localities in NE Mexico & SW
Texas. Diagnostic characters summarized
from published accounts, museum
collections, & the recently collected
specimens. Observations on habitat
factors, sex ratios, egg counts, &
the spp.-composition of mixed
Anostraca populations.

:sjh

M

Stasek, C.R. (1958) 59-8201
J.Wash.Acad.Sci., 48(4):119-26
A new species of Allogaussia (Amphipoda,
Lysianassidae) found living within
the gastrovascular cavity of the sea
anemone Anthopleura elegantissima

BA 32E(12):42372. A. recondita found
at Moss Beach, San Mateo county &
Bodega Bay, California.

:sjh

M

Toffoletto, F. (1957) 59-8202
Natura, Milano, 48(2/3):105
L'Anodonta cyanea (Pfeiff.) del lago
di Loppio, presso Rovereto (A.
cyanea from the Lago di Loppio, near
Rovereto)

BA 32E(12):42486.

F

Anderson, W.D. & 59-8203
H.W. Freeman (1957)
Univ.S.Carol.Publ., (Biol.), 2(2):90-111
Fishes of the Congaree River drainage,
South Carolina

BA 32E(12):42496. Specimens represent
18 families, 36 genera, & 52 spp.
Scientific name & at least one common
name are given. References for
identification & distribution.

:sjh

F

Fraser, F.C. (1959) 59-8206
Ent.Mon.Mag., 95:88-9
A note on the differentiation of
Lestes unifer Karsch and L. pinheyi
Fraser (Odon., Lestidae)

F

Hikida, T. (1957) 59-8204
J.Fac.Sci.Hokkaido Univ.(Zool.), 13(1/4):
46-8

A preliminary list of fishes from North
Pacific Ocean

BA 32E(12):42503. A lamprey, & 3
cartilaginous & 15 bony fishes are
listed.

:sjh

M

Allen, A.A. (1959) 59-8207
Ent.Mon.Mag., 95:87
Hydroporus incognitus Sharp (Col.,
Dytisoidae) in West Kent and Berks.;
and a possible extension of its
habitat-range

F

Peters, H.M. (1957) 59-8205
Z.Naturf., 12B(4):255-61
Über die Regulation der Gelegegrösse bei
Fischen (On the regulation of the
clutch size in fishes)

BA 32E(12):42507. In the ovary of
Hemichromis bimaculatus a number of eggs
mature at a laying, but large number of
reserve eggs do not complete development.
Number of eggs is related to body weight
of fish.

:sjh

F

O'Rourke, F.J. (1958) 59-8208
Ent.Gaz., 9 63-72
Serological tools in entomological
research

G

Lubet, P. (1957) 59-8209
Ann.biol., Paris, 33(1-2):19-29
 Cycle sexuel de Mytilus edulis L. et
 de Mytilus galloprovincialis Lmk. dans
 le bassin d'Arcachon (Gironde)
 (Sexual cycle of Mytilus edulis L. and
 of Mytilus galloprovincialis Lmk. in the
 Arcachon Basin (Gironde))

See 580140.

FiB:

L

Feldmann, J. (1957) 59-8212
Ann.biol., Paris, 33(1-2):49-56
 La reproduction des algues marines
 dans ses rapports avec leur situation
 géographique (Reproduction of
 marine algae in relation to their
 geographic situation)

See 580143.

FiB:

M

Durchon, M. (1957) 59-8210
Ann.biol., Paris, 33(1-2):31-42
 Problèmes posés par le comportement
 des Néréidiens au moment de leur
 reproduction (Problems posed by the
 behaviour of Nereids at the moment of
 reproduction)

See 580141.

FiB:

L

Barnes, H. (1957) 59-8213
Ann.biol., Paris, 33(1-2):67-85
 Processes of restoration and
 synchronization in marine ecology.
 The spring diatom increase and the
 "spawning" of the common barnacle,
Balanus balanoides (L.)

See 580145.

FiB:

I

Marshall, S.M. & 59-8211
 A.P. Orr (1957)
Ann.biol., Paris, 33(1-2):43-7
 The life history of the copepod Calanus
finmarchicus in different latitudes

See 580142.

FiB:

M

Kinne, O. (1957) 59-8214
Ann.biol., Paris, 33(1-2):87-92
 A programmatic study of comparative
 biology of marine and brackish water
 animals

See 580146.

FiB:

MF

Smith, R.I. (1957) 59-8215
Ann.biol., Paris, 33(1-2):93-107
A note on the tolerance of low
salinities by nereid polychaetes and
its relation to temperature and
reproductive habit

See 580147.

Swedmark, M. (1957) 59-8218
Ann.biol., Paris, 33(3-4):163-70
Variation de la croissance et de la
taille dans différentes populations
du téléostéen Gobius minutus
(Variation in growth and size in
different populations of the
teleostean Gobius minutus)

See 580153.

FiB:

I

FiB:

M

Teissier, G. (1957) 59-8216
Ann.biol., Paris, 33(3-4):151-7
Formes locales et biométrie
(Local forms and biometry)

See 580151.

Harder, W. (1957) 59-8219
Ann.biol., Paris, 33(3-4):171-7
Die Darmlänge bei Clupeoiden von
Fundorten verschiedener geographischer
Breite (Stomach length in
clupeoids from localities of different
geographic breadth)

See 580154.

FiB:

I

FiB:

M

Morris, R.W. & 59-8217
B.T. Scheer (1957)
Ann.biol., Paris, 33(3-4):159-61
The relation of meristic characters
in fishes to temperature and water
movements

See 580152.

Matsakis, J. & 59-8220
G. Petit (1957)
Ann.biol., Paris, 33(3-4):179-82
Sens et étendue des variations de la
forme du corps chez Idotea viridis,
isopode valvifère (Nature and
extent of variations of body form in
Idotea viridis, a valve bearing isopod)

See 580155.

FiB:

M

FiB:

I

Swedmark, B. (1957) 59-8221
Ann.biol., Paris, 33(3-4):183-9
Variation morphologique des différentes
populations régionales d'Halammohydra
(Morphological variation of different
regional populations of Halammohydra)

See 580156.

FiB:

Fry, F.E.J. (1957) 59-8224
Ann.biol., Paris, 33(3-4):205-19
The lethal temperature as a tool in
taxonomy

See 580159.

FiB:

MF

Frosser, C. (1957) 59-8222
Ann.biol., Paris, 33(3-4):191-7
Proposal for study of physiological
variation in marine animals

See 580157.

FiB:

Marshall, S.M. & 59-8225
A.P. Orr (1957)
Ann.biol., Paris, 33(5-6):221-6
A preliminary note on seasonal
changes in respiration in copepods

See 580160.

FiB:

Bullock, T.H. (1957) 59-8223
Ann.biol., Paris, 33(3-4):199-203
The objectives of studying physiology
as function of latitude and longitude

See 580158.

FiB:

Barigozzi, C. (1957) 59-8226
Ann.biol., Paris, 33(5-6):241-50
Différenciation des génotypes et
distribution géographique d'Artemia
salina Leach: données et problèmes
(Differentiation of genotypes and
geographic distribution of Artemia
salina Leach: data and problèmes)

See 580163.

FiB:

M

Staiger, H. (1957) 59-8227
Ann.biol., Paris, 33(5-6):251-8
Genetical and morphological variation
in Purpura lapillus with respect to
local and regional differentiation of
population groups

See 580164.

FiB:

M

Segerstråle, S.G. (1957) 59-8230
Ann.biol., Paris, 33(5-6):279-81
The role of the Baltic in the work to
be planned at the Roscoff Symposium

See 580169.

FiB:

L

Božić, B. (1957) 59-8228
Ann.biol., Paris, 33(5-6):269-73
Recherches taxonomiques sur des formes
du genre Tigriopus Norman

See 580166.

FiB:

M

Buchsbaum, R. (1957) 59-8231
Ann.biol., Paris, 33(5-6):283-5
Paleoecological factors in the sea

See 580169.

FiB:

M

Zenkevitch, L. (1957) 59-8229
Ann.biol., Paris, 33(5-6):275-7
Propositions adressées au Colloque
(Proposals placed before the Conference)

See 580167.

FiB:

M

Kesteven, G.L., H. Rosa, Jr. 59-8232
& S.J. Holt (1957)
Ann.biol., Paris, 33(5-6):287-97
A note on abundance and distribution
of marine organisms of economic
importance

See 580170.

FiB:

M

Zenkevitch, L. (1957) 59-8233
Ann.biol., Paris, 33(5-6):317-20
Program of researches of marine biology
proposed for the International
Geophysical Year

See 580172.

FiB:

M

Bullock, W.L. (1958) 59-8234
J.Parasit., 44(4)Sect.2:24-5
The blood protozoa of the marine fish
of Southern New England

SFA 3(3)1667. Summer 1953, blood smears
were made & examined from 209 fish
representing 43 spp. Of these, 14 fish,
6 spp., were infected with some spp. of
blood protozoa. Haemogregarina sp.
observed in Spheroides, haemogregarine-
like parasite in Centropristis,
Trypanosoma in Raja; Kudoa sp. in
Pseudopleuronectes & Fundulus.

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M

Meyer, M.C. (1958) 59-8236
J.Parasit., 44(4)Sect.2:42
Studies on Philonema agubernaculum, a
dracunculoid nematode infecting
salmonids

SFA 3(3)1669. P. agubernaculum in
landlocked salmon, Salmo salar, &
eastern brook trout, Salvelinus
fontinalis, in Maine lakes. Larvae have
remained viable in lake water for 14
days, during which Cyclops sp. were
infected. Infected copepods were fed to
hatchery-reared, fingerling salmon
with inconclusive results. Forage fish,
Hybopsis, Notemigonus, Osmerus, were
examined as possible intermediate

59-8236
(Card 2)
hosts, using a modified pepsin-
HCl digestion technique.

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MF

Hughins, E.J. (1958) 59-8235
J.Parasit., 44(4)Sect.2:33
Studies on parasites of fishes in South
Dakota

SFA 3(3)1668. More than 400 fishes from
about 25 different bodies of water -
largely lakes - have been examined for
worm & arthropod parasites. Preliminary
list of parasites found is presented.

:sfa

F

Leigh, W.H. (1958) 59-8238
J.Parasit., 44(4):379-85
The life-history of Macroderoides
spiniferus Pearse, 1924, a trematode of
the Florida spotted gar, Lepisosteus
platyrhincus

SFA 3(3)1670. Helisoma durvi, a common
pulmonate snail of Florida frequently
infected with a xiphidiocercaria which
encysts in several spp. of small
fishes, incl. Gambusia affinis
holbrooki. Tadpoles are also inter-
mediate hosts. Metacercariae in fish
become infective in 14 days & after
being eaten by the gar, become
sexually mature in the small intestine.

:sfa

F

Bassett, H.M. (1958) 59-8239
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:
28-30

Further life history studies of two species of suckers in Shadow Mountain reservoir, Grand County, Colorado

SFA 3(3)1671. Spawning migrations of western white suckers & western long-nose suckers. Diet, control program, population.

sfa

F

59-8241
(Card 2)

in synergism with other ions such as uranium or zinc.

sfa

F

Hoffman, G.L. (1958) 59-8240
J.Parasit., 44(4):416-21
Studies on the life-cycle of Crnithodiplostomum ptychocheilus (Faust) (Trematoda:Strigeoidea) and the "self cure" of infected fish

SFA 3(3)1672. Adults obtained by feeding baby chicks with metacercariae from Notropis, Pimephales & Semotilus. Physa were infected with the resulting miracidia, & the sporocysts & cercariae are described. The fish were experimentally infected & the development of the metacercaria & cyst is described. Histopathology.

sfa

F

Rollefson, M.D. (1958) 59-8243
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:
38-40

The development and evaluation of interrupted direct current electro-fishing equipment

SFA 3(3)1674. Study to investigate the feasibility of a lethal electric downstream barrier for the purpose of preventing immigration of carp, Cyprinus carpio, into a chemically-treated reservoir.

sfa

F

Barnhart, R.A. (1958) 59-8241
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:
25-8

Chemical factors affecting the survival of game fish in a Western Colorado reservoir

SFA 3(3)1673. Lake has been stocked with black bullhead, bluegill, channel catfish, largemouth bass, rainbow trout, white crappie, & yellow walleye. Almost a complete mortality has occurred after each introduction. Probably resulted from the toxic effects of selenium, possibly acting

Powell, G.C. (1958) 59-8244
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:
31-7

Evaluation of the effects of a power dam water release pattern upon the downstream fishery

SFA 3(3)1675. Investigations during summer 1957 revealed that effects of water discharges from Green Mountain Fower Dam in north central Colorado reduced bottom fauna populations, trout feeding success, & trout growth. Effects determined by comparing biological data collected in the Blue

59-8244
(Card 2)
River below the dam with those
collected from the undisturbed Blue
River above Green Mountain reservoir.

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F

Burdick, G.E., H.J. Dean 59-8248
& E.J. Harris (1958)
N.Y. Fish Game J., 5(2):133-63
Toxicity of cyanide to brown trout
and smallmouth bass

SFA 3(3)1747. Toxicity curves
established for brown trout & small-
mouth bass, plotting mean time to
death against concentration. Constant-
flow, constant temperature device was
used in the procedure & is described.
Comparison between toxicity of cyanide
in soft, acid water & that in a water
of median alkalinity. Methods of
reduction of oxygen are compared

Charles, J.R. (1957) 59-8246
Bull. Ky. Dep. Fish Wildl. Resour., (22):
1-45
Final report on population manipulation
studies in three Kentucky streams

SFA 3(3)1681. Findings of a Dingell-
Johnson project that has been
concerned since 1952 with the
manipulation of populations in 3
streams typical of types found in the
state, i.e., excessive numbers of rough
fish in proportion to the numbers of
game fish, generally clear most of the
year, relatively cool waters & rocky
bottoms.

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59-8248
(Card 2)
preliminary to establishing toxicity
curves at reduced oxygen comparable
to the "standards" established by the
Water Pollution Control Law of this
state. A threshold value for toxicity
is approximated for each curve by
graphical method & method is used to
compute equation curve.

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F

Outten, L.M. (1958) 59-8247
J. Elisha Mitchell sci. Soc., 74(2):
122-34
Studies of the life history of the
cyprinid fishes Notropis galacturus
and rubricroceus

SFA 3(3)1720. Both spp. occur in the
upper Tennessee River system;
galacturus also in tributaries of the
Cumberland, White, & St. Francis
Rivers, & Kanawha, Santee, & Savannah
systems. Additional distributional
data, synonymy, general behaviour,
reproduction, age & growth, & food &
feeding habits are discussed.

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F

Zilliox, R.G. & 59-8250
W.D. Youngs (1958)
N.Y. Fish Game J., 5(2):164-74
Further studies on the smelt of Lake
Champlain

SFA 3(3)1748. Studies conducted
during Feb. & March 1948 & 1950 to
determine the status of the fishery.
Comparative data from study during a
similar period in 1929. 2 major races
inhabit lake.

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F

Haskell, D.C. & 59-8251
R.C. Davies (1958)
N.Y. Fish Game J., 5(2):175-83
Carbon dioxide as a limiting factor
in trout transportation

SFA 3(3)1749. Reports experiments.

:sjh

F

Latta, W.C. (1958) 59-8254
Dissert. Abstr., 18(5):1905
The ecology of the smallmouth bass,
Micropterus d. dolomieu Lacépède, at
Waugoshance Point, Lake Michigan

SFA 3(3)1782. Study of reproduction,
growth, movement, mortality rates &
numerical abundance. Comparison with
other smallmouth bass populations in
Michigan's Great Lakes for the
formulation of a management plan.

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F

Gerking, S.D. (1957) 59-8252
Gerontologia, 1(5):287-305
Evidence of aging in natural
populations of fishes

SFA 3(3)1755. Survivorship curves of
populations. Unexploited spp. exhibit
an increasing rate of mortality with
increasing age. This characteristics
found in the whitefish, lake trout,
sauger, arctic whitefish, tullibee.
rock bass, Pacific herring.

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LF

Breder, C.M., Jr. (1957) 59-8255
Zoologica, N.Y., 42(1):1-10
Miniature circulating systems for
small laboratory aquaria

SFA 3(3)1783. Detailed explanations
for their construction & maintenance.
Incl. open & closed freshwater
systems & closed marine systems,
designed for laboratory use
primarily in connection with
ichthyological experimentation.

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LF

El-Zarka, S.E.-D. (1958) 59-8253
Dissert. Abstr., 18(5):1904
Fluctuations of the yellow perch
population in Saginaw Bay

SFA 3(3)1781. Comparison of perch
collected in 1929-30 & 1943-55 as to
growth rate, age composition, size
distribution, length-weight relation,
sex ratio: description & inquiry into
factors of fluctuations in the strength
of the year classes 1939-52 & in
growth rate in 1942-54.

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F

Honma, Y. (1957) 59-8256
Jap. J. Ichthyol., 5(3-6):175-81
On the pituitary gland of some
Japanese teleosts

SFA 3(3)1794. Glands of more than 30
spp. are described. The basic structure
is more similar among more closely
related sp. .

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LF

Kafuku, T. (1957) 59-8257
Jap.J.Ichthyol., 5(3-6):163-73
 Ecological and phyletic significance
 of anal fin between cyprinids and
 catostomid fish

SFA 3(3)1795. Relation between
 morphology & the mode of living is
 discussed.

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F

McFadden, J.T. (1957) 59-8260
Trans.Wis.Acad.Sci.Arts Lett., 45:21-3
 Characteristics of trout angling at
 Lawrence Creek, Wisconsin

SFA 3(3)1826. Census records
 brook trout & rainbow trout. Angling
 intensity. Recruitment.

Kusa, L. (1957) 59-8258
Annot.zool.jap., 30(2):67-70
 Behaviour of isolated cortical alveoli
 of stickleback eggs

SFA 3(3)1804. Envelopes of alveoli in
 unfertilized eggs of Pungitius
pungitius work as osmotic membranes.

sfa

Jackson, S.W., Jr. (1958) 59-8261
Proc.Southeast.Ass.Game Comms., 11:
 232-47

Comparison of the age and growth of
 four fishes from lower and upper
 Spavinaw Lakes, Oklahoma

SFA 3(3)1827. Study of 2 reservoirs
 on the same mainstream, one 31-year-
 old, the other two-year old. Spp.
 selected for study, largemouth bass
 as a representative predator or game
 fish, the white crappie as a
 representative pan fish, the gizzard
 shiner as a forage sp., & the spotted
 bass as a rough or coarse fish.

sfa

F

Anonymous (1957) 59-8259
Bull.int.oceanogr.Fin., 3(1):21-31
 Mystery of the red tide

SFA 3(3)1815. Historical account of
 the phenomenon, & description of
 research off the Florida coast that
 led to understanding the conditions
 that cause outbreaks, & successful
 predictions.

sfa

M

Warter, I.V. (1957) 59-8262
Tr.int.Sci.Biol., Sér.B, 32:185-98
 Host specificity and other host
 relationships among the digenetic
 trematodes of marine fishes

SFA 3(3)1840. Location of Digenea
 within their hosts, convergent
 evolution among the Digenea, host
 specificity among Digenea of fishes,
 & speciation & evolution among Digenea
 of fishes are discussed, with tables
 showing families of Digenea known as
 parasites of certain types of fishes,
 & the host distribution for certain
 groups of Digenea.

sfa

M

Bush, R.R. & 59-8263
 T.R. Wilson (1957)
J.exp.Psychol., 51:315-22
 Two-choice behaviour of paradise fish

SFA 3(3)1844. Samples were run in a T-maze. Control samples were run in the conventional manner while experimental samples were allowed to observe the presence or absence of food on both sides of the maze. 2 stochastic models are discussed: one predicts increment of probability of a choice as a function of food placement on the preceding trial. Second predicts

59-8265
 (Card 2)
 contractions locomotion similar to normal. Substantiated by study of fish with special types of locomotion, e.g., flatfishes. Fish that swim by fins only do not exhibit galvanotaxis although they perceive current.

: sfa

MF

59-8263
 (Card 2)
 that sight of food in opposite box reinforces the response just made. The data support this latter.

: sfa

F

Burke, J.D. & 59-8267
 W.S. Woolcott (1957)
Virginia J.Sci., 8(2):113-20
 A comparison of the blood oxygen capacity in the black crappie (Pomoxis nigromaculatus) and the bluegill (Lepomis macrochirus)

SFA 3(3)1850. Capacity determined by Roughton-Scholander microgasometric syringe method.

: sfa

F

Spiecker, D. (1957) 59-8265
Zool.Jb., 67(2):229-60
 Die Galvanotaxis der Fische und ihre Auslösung auf Grund unmittelbarer Irritabilität der Rumpfmuskulatur (The galvanotaxis of fishes and its origin on the basis of direct irritability of trunk musculature)

SFA 3(3)1846. Electrical field showed that body of fish is a good conductor with a less good conducting membrane in a badly conducting medium. Galvanotaxis in fish rests on stimulation of trunk musculature. To evoke by muscle

Yanagimachi, R. (1957) 59-8268
Zool.Mag., Tokyo, 66(5):218-21
 (Studies of fertilization in Clupea pallasii - I. Extension of fertilizable life of the unfertilized eggs by means of isotonic Ringer's solution). Wi

SFA 3(3)1852. Unfertilized eggs when exposed to sea water, lose fertilizable capacity in 5 hours. In isotonic Ringer's solution remain fertilizable for 24 hours & fertilization & development proceed normally. Fifty percent sea water can also be used.

: sfa

M

Yanagimachi, R. (1957) 59-8269
Zool.Mag., Tokyo, 66(5):222-5
 (Studies of fertilization in Clupea
pallasii - II. Structure and activity
 of spermatozoa). Ni

SFA 3(3)1853. Continuation of 59-8268.

M

Onkst, H., J. Jacoby 59-8272
 & D.G. Scarpelli (1957)
Proc.Soc.exp.Biol.Med., 96(2):397-9
 Effect of calcium binding substances
 on rate and duration of narcosis

SFA 3(3)1856. Alterations of Ca
 balance were produced in male,
Lebistes reticulatus, by placing in
 Ca-free solutions, or by addition of
 sodium citrate or ethylenediamine
 tetra-acetate (EDTA). Pentobarbital
 used to induce narcosis.

: sfa

F

Yanagimachi, R. (1957) 59-3270
Zool.Mag., Tokyo, 66(5):226-33
 (Studies of fertilization in Clupea
pallasii - III. Manner of sperm
 entrance into the egg). Ni

SFA 3(3)1854. Continuation of 59-8269.

F

Wolf, K. & 59-8273
 C.E. Dunbar (1957)
Proc.Soc.exp.Biol.Med., 95(3):455-8
 Cultivation of adult teleost tissues
 in vitro

SFA 3(3)1860. Investigation to
 determine methods whereby tissues
 from salmonid fishes could be
 cultivated in commercial media.
 Tissues from several spp. of trout
 were grown for over 2 months. Results
 of comparisons of various components
 of the media are given.

: sfa

FG

John, K.R. (1957) 59-8271
Proc.Pa Acad.Sci., 31:77-82
 Comparative rates of survival of normal
 and deformed chub, Gila atraria,
 Girard, in Two Ocean Lake, Teton
 County, Wyoming

SFA 3(3)1855. A collection of 20,000
 contained 0.91% individuals with
 curvature of the vertebral column.

: sfa

F

Adkins, R. 59-8274
 F E. Fields (1957)
Tech.Fap.Univ.Wash.Sch.Fish., 33:1-20
 Conditioning young steelhead trout
 to colored lights

SFA 3(3)1863. 20 hatchery-reared
Salmo gairdnerii, approximately 2
 years old, were conditioned to
 approach either of 2 filtered equal
 energy light areas - a red or a green
 simultaneously presented at opposite
 ends of a shuttle box discrimination
 apparatus.

: sfa

MF

Murray, A.K. & P.E. Fields (1957)
Tech.Rep.Univ.Wash.Sch.Fish., 45:1-10
Response of steelhead trout (Salmo gairdnerii) to continuous, fixed interval and fixed ratio reinforcement schedules

SFA 3(3)1866. 4 trout were trained to press against a target for food reinforcement. Rates of response under continuous reinforcement were compared to the rates obtained under intermittent reinforcement, & remained uniform.

:sfa

MF

Farris, D.A. (1958) 59-8278
Dissert.Abstr., 19(2):391
Abundance, distribution and mortality of jack mackerel, Trachurus symmetricus, eggs and larvae

SFA 3(3)1874. These population characteristics are compared with those of the sardine & have relevance to the "critical period" concept suggested by Hjort as a cause of fluctuations in the size of adult populations. Basic biological & oceanographic data used were collected on cruises of CCOFI during 1951 to 1954.

:sfa

M

Brynildson, C.M. (1958) 59-8276
Dissert.Abstr., 19(2):389
Lime-treatment of brown-stained lakes and their adaptability for trout and largemouth bass

SFA 3(3)1873. Small lakes in northwest Wisconsin were studied limnologically before & after treatment with hydrated lime alone & in combination with phosphorus. Fish populations in 2 of the lakes were removed & one lake was restocked with trout alone & the other with trout & bass in combination. Increase in filamentous green algae & rooted aquatic plants following lime-treatments. Following

Helm, W.T. (1958) 59-8279
Dissert.Abstr., 19(2):392
Some notes on the ecology of panfish in Lake Wingra with special reference to the yellow bass

SFA 3(3)1875. Study of small shallow, alkaline, quite turbid lake within the city limits of Madison, Wisconsin. Carp have been abundant, & a problem for more than 20 years. A carp removal program in 1953, 1954 & 1955 & this study were integrated.

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F

59-8276
(Card 2)
phosphorus application was a conspicuous crop of blue-green algae. Holopedium nearly disappeared from plankton soon after lime-treatments began. There was a shift in dominance from Daphnia pulex to D. longispina as treatments continued. Snail, Helisoma sp., increased markedly in lake treated with lime.

:sfa

F

Beeton, A.M. (1958) 59-8280
Dissert.Abstr., 19(3):601
The vertical migration of Mysis relicta in Lakes Huron and Michigan

SFA 3(3)1876. Objectives: 1) to establish the vertical migration pattern of a single zooplankton sp.; 2) to determine, from field data, which environmental factors control this behaviour; 3) to determine, through laboratory studies, the way in which these factors exert their influence. Field work conducted aboard research vessel CISCO in 1954 & 1955 in Lake Michigan & in 1956 in Lake Huron.

59-8280

(Card 2)

Clarke-Bumpus samplers, half-meter nets, & one-quarter-meter nets, were towed horizontally, to collect plankton. Data were secured on light penetration, temperature, pH, dissolved oxygen, & specific conductance.

:sfa

F

Kuenne, R.A. (1958)

59-8284

Dissert.Abstr., 19(3):606

Studies on the schooling behaviour of the minnows, Semotilus and Rhinichthys

SFA 3(3)1879. Schooling habits of S. stromaculatus (Mitchill) & R. atratulus (Hermann). An explanation of origin & utility of school behaviour is proposed.

:sfa

F

Chavin, W. (1958)

59-8282

Dissert.Abstr., 19(3):602

The role of the pituitary-adrenal mechanism in the reappearance of melanin and melanophores in the goldfish, Carassius auratus L.

SFA 3(3)1877. Variety of physical & chemical stimuli has been reported to elicit melanogenesis, but morphological & physiological alterations resulting in such pigmentation remain undescribed. This study was undertaken to determine these changes & the mechanism eliciting them.

:sfa

F

Klykov, A.A. (1958)

59-8285

Nauka i Zhizn', Moskva, (1):79

Vazhnaia problema (Important problems)

SFA 3(3)1880. Deals with problems of fish conservation in various rivers where dams constructed for new powerplants hinder seasonal fish migration.

:sfa

F

Kruse, T.E. (1958)

59-8283

Dissert.Abstr., 19(3):605

The grayling of Grebe Lake, Yellowstone National Park, Wyoming

SFA 3(3)1878. Study of certain features of the population fundamental to its management as a recreational resource. Field work was done in the summers of 1952, 1953 & 1954.

:sfa

F

Smirnov, N.N. (1958)

59-8286

Nauka i Zhizn', Moskva, (1):66-7

(Zhizn' v vodoyemakh (Life in water reservoirs))

SFA 3(3)1881. Review of algicide studies. USSR tests concerning application of herbicides for control of algae. Presence of zinc has a detrimental influence on the spawn of fish. "Fertilization" of ponds & certain parts of the sea with various algae in order to bring about an increase in the fish resources have shown satisfactory results.

:sfa

MF

Cole, V.W. (1957) 59-8287
Industr.Wastes, 2:100-3
 Lime treatment of lake reduces acid mine waste pollution

SFA 3(3)1898. Description of use of hydrated lime to neutralize pollution by acid mine drainage in Lake Alma, Ohio.

:sfa

F

West, F.W. & 59-8290
 H. Coll (1957)
J.Amer.Wat.Wks Ass., 49:1485-92
 Direct spectrophotometric determination of chloride ion in water

SFA 3(3)1920. Comparison of the method with the standard Mohr & mercuric nitrate methods. Results given in tables & discussed.

:sfa

F

Ives, K.J. (1957) 59-8288
Wat. & Wat.Engng, 61:387-9
 Control of algae in reservoirs

SFA 3(3)1909. Discusses control of growths by elimination of nutrients from the water, by removal of river plankton from the influent, & by the use of algicides. Value of copper sulphate, chloramine, chlorine, lime, quaternary ammonium compounds, naphthoquinones, activated silver & antibiotics is considered.

:sfa

F

Novysh, V.V. (1957) 59-8291
Trud.N.-I.Inst.zemn.Magnet.Ionosf.
Raspr.Rad., (22):225-40

O glubine buksirovaniia kabelei i elektrodov elektromagnitnogo izmeriteliiia techenii (Gmit) (Depth at which to haul cables and electrodes of the electromagnetic current meter (Lmit))

SFA 3(3)1884. Method developed to measure the velocities of sea currents in which 2 cables are towed by the ship. An electrode is placed at the end of each cable. Article discusses depth of hauling & the distance to be

Griffiths, V.S. & 59-8289
 M.I. Jackman (1957)
Analyt.chim.acta, 17:603-5
 The Winkler method for dissolved oxygen determination

SFA 3(3)1912. Modification of the method for determination of dissolved oxygen is described, in which the final iodine titration is carried out potentiometrically, using a glass reference electrode & a platinum indicator electrode. The method can be made automatic.

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MF

59-8291
 (Card 2)
 maintained between the 2 electrodes. These 2 factors depend mainly on the height of the starting point on board ship.

:sfa

MG

Guern, M. (1958) 59-8293
C.R.Acad.Sci., Paris, 249:1254-6
Sur les premiers stades de
développement des oeufs de Cystoseira
(Fucales) (On the first stages of
development of the eggs of Cystoseira
(Fucales))

Study permits distinction of 2 groups,
distinguishable also by other
characteristics of reproduction & of
vegetative morphology.

FAO:sjh

M

Netherlands. Laws, 59-8296
Statutes, etc. (1958)
Staatscourant, Neth., (115):2
Order No. Vi.2391/Directie v.d.
Visserijen, issued by the Minister
of Agric. etc., closing to public
fishing a certain part of the
Waddenzee. - 16 June 1958

Mon.legisl.Rep.F.A.O. Comment: for
purposes of shellfish breeding.

:mlr

MF

Netherlands. Laws, 59-8294
Statutes, etc. (1958)
Staatsblad, Neth., 344:705
Act for the prevention of pollution of
the ocean by oil (Act on ocean
pollution by oil). - 9 July 1958
Mon.legisl.Rep.F.A.O. Comment: Passed
in connection with the International
Treaty concluded in London on 12.5.1954.

:mlr

M

Poland. Laws, 59-8297
Statutes, etc. (1958)
Dziennik Ustaw, (66):852
Order by the Minister of Navigation
and Water Economy amending the order
of 17 November 1954, Dz.U. No. 53,
text 267, relative to fisheries
protection in the Szczecin inlet. -
4 October 1958

Mon.legisl.Rep.F.A.O. Comment:
dimensions of fish; eel-fishing
between 15 April & 15 June; etc.

:mlr

M

Netherlands. Laws, 59-8295
Statutes, etc. (1958)
Staatsblad, Neth., 351:717
State act ratifying the International
Treaty concluded in London on 12 May
1954 relative to the prevention of
pollution of the ocean by oil -
9 July 1958

Mon.legisl.Rep.F.A.O.

M

U.K. Laws 59-8298
Statutes, etc. (1958)
Stat.Instr., U.K., (1895):
The grey seals protection (Farne
Islands)(Suspension of close season)
order, 1958. - 17 November 1958

Mon.legisl.Rep.F.A.O. Comment: There
shall be no close season for grey
seals in the Farne Islands during the
period of twelve months next
following the making of this order
made under the Grey Seals Protection
Act, 1932.

:mlr

M

Western Australia. Laws, 59-8299
Statutes, etc. (1958)
Govt Gaz.W.Aust., (88):2
Western Australian Marine Act, 1948
(survey and equipment) regulations
under the Western Australian Marine
Act, 1948. - 29 September 1958

Mon.legisl.Rep.F.A.O. Comment:
published in Govt Gaz.W.Aust. on 15.3.50
& incorporat. amendments thereto
published in Govt Gaz.W.Aust. on 27.6.52
& reprinted pursuant to the reprinting
of regulations acts, 1954. See
especially Part VI.-Survey & equipment
of fishing boats, pearling boats &
whaling boats.

:mlr

Western Australia. Laws, 59-8300
Statutes, etc. (1958)
Govt Gaz.W.Aust., (88):62
Regulations governing the manning of
fishing vessels - under the Western
Australian Marine Act, 1948,
regulations governing the manning of
fishing vessels. - 29 September 1958

Mon.legisl.Rep.F.A.O. Comment:
Published in Govt Gaz.W.Aust., on
24th Sept., 1954, & reprinted
pursuant to sec. 5 of the reprinting
of regulations act, 1954.

:mlr

M

Finland. Laws, 59-8302
Statutes, etc. (1958)
Finlands FörfattnSaml., (312-317):676
Resolution No. 317 of Ministry of
Agriculture prohibiting fishing in
certain waters - 8 July 1958

Mon.legisl.Rep.F.A.O. Comment:
Prohibits all kinds of fishing in
Lake Luomus in the commune of
Utsjoki, North Finland, during the
period 1958-60.

:mlr

F

Finland. Laws, 59-8303
Statutes, etc. (1958)
Finlands FörfattnSaml., (392-401):983
Resolution No. 398 of the Ministry of
Agriculture concerning the fishing
of whitefish in the River Oulanka. -
22 September 1958

Mon.legisl.Rep.F.A.O. Comment: this
resolution is issued pursuant to art.
51 of the fishing act no. 503/51 of
28.9.1951, & permits the village of
Liikainon, in the commune of Kuusamo,
Northern Finland, to fish whitefish as
an exceptional measure.

:mlr

F

Canada. Laws, 59-8301
Statutes, etc. (1958)
Can.Gazette (II), (21):1275-1209
DCRE/58-428. Décret C.P.1958-1423
modifiant le règlement de pêche de la
Colombie-Britannique, en vertu de la
loi sur les pêcheries (SOR/58-428.
Order in council P.C.1958-1423 amending
British Columbia fishery regulations,
pursuant to the fisheries act) - 16
October 1958

Mon.legisl.Rep.F.A.O. Comment: amends
the regulations made on 8 December 1954
(SOR/54-659) as amended (SOR/58-340).
Minor changes to S.48, 68, 81 & 94 (new).

:mlr

MF

France. Laws, 59-8304
Statutes, etc. (1958)
J.off.Rép.franc., (225):8802
Décret n° 58-874 relatif à la pêche
fluviale (Decree no. 58-874
relative to river fishing) - 16
September 1958

Mon.legisl.Rep.F.A.O.

F

France. Laws, 59-8305
 Statutes, etc. (1958)
J.off.Rép.franç., (225):8806
 Arrêté portant autorisation de l'emploi
 de divers filets, engins ou lignes dans
 certaines eaux de la première
 catégorie (Order authorizing the
 use of various nets, gear or lines in
 certain waters of the first class) -
 16 September 1958

Mon.legisl.Rep.F.A.O.

F

Iraq. Laws, 59-8308
 Statutes, etc. (1958)
Cff.Gaz., Iraq, (10):4
 Ordinance No. 2 applying act no. 41
 of 1958 on fisheries protection

Mon.legisl.Rep.F.A.O. Comment:
 prohibits fishing in numerous
 localities throughout the year.

:mlr

F

France. Laws, 59-8306
 Statutes, etc. (1958)
J.off.Rép.franç., (225):8808
 Arrêté relatif à la pêche du saumon
 (Order relative to salmon fishing) -
 16 September 1958

Mon.legisl.Rep.F.A.O.

MF

Ireland. Laws, 59-8309
 Statutes, etc. (1958)
Stat.Instr., Ire., (88)
 Fishing nets (regulations of mesh)
 order, 1954 (amendment) order, 1958 -
 1 April 1958

Mon.legisl.Rep.F.A.O. Comment:
 Permits, up to 4th April 1961, the use
 of certain fishing nets having a
 smaller mesh than that specified in
 1954.

:mlr

M

France. Laws, 59-8307
 Statutes, etc. (1958)
J.off.Rép.franç., (225):8809
 Arrêté fixant la liste des départements
 ou les truites et saumons de fontaine
 peuvent être pêchés à partir d'une
 longueur de 18 centimètres (Order
 establishing the list of departments
 where trout and salmon may be caught
 over a minimum length of 18 cm) -
 16 September 1958

Mon.legisl.Rep.F.A.O.

MF

West Pakistan. Laws, 59-8310
 Statutes, etc. (1959)
Gaz.W.Pakistan, (864)Part I:504
 Food and Agriculture Department No.IV/
 (5)17-SCA-VII-F and A/58. Rules for the
 protection of fish in the waters of
 Shikarpur district - 14 October 1958

Mon.legisl.Rep.F.A.O.

F

Philippines. Laws, 59-8311
Statutes, etc. (1958)
Off.Gaz., Philippines, (29):7040
Fisheries administrative order no. 40-3.
Further amending sec. 1 of the
fisheries administrative order no. 40,
as amended - 8 September 1958

Mon.legisl.Rep.F.A.O. Comment:
Prohibits any person, association or
corporation to fish by means of
"basnig", "iwag", "saplad" & other
kind of fishing gear, in any fishing
area of Philippines, with the use of
fine-meshed nets &/or sinamy cloth,

Queensland. Laws, 59-8314
Statutes, etc. (1958) .
Qd Govt Gaz., (84):1345
An act to consolidate and amend the
law of Queensland relating to
merchant shipping and for other
purposes. S.T.: "The Queensland
Marine Act of 1958". - 30 Oct. 1958

Mon.legisl.Rep.F.A.O. Comment:
Affects seamen, passengers, survey
of ships, safety, pilotage, control of
certain vessels, ports, prevention of
water pollution (sec.210), control of
explosive in ships, etc.

mlr

M

59-8311
(Card 2)
except when catching ipon, "alamang",
bangus fry, tabios, sinarapan &
padas.

:mlr

M

France. Laws, 59-8315
Statutes, etc. (1958)
J.off.Rép.franc., (237) 9232
Décret n°58-922 portant publication
de la convention internationale pour
la prévention de la pollution des
eaux de la mer par les hydrocarbures,
signée le 12 mai 1954 (Decree
no. 58-922 publishing the inter-
national convention for the prevention
of pollution of the sea by hydro-
carbons, signed on 12 May 1954) -
7 October 1958

Mon.legisl.Rep.F.A.O.

I.

Mauritius. Laws, 59-8313
Statutes, etc. (1958)
Leg.Suppl.Govt Gaz.Col.Mauritius, (59):
51
Proclamation no. 12 of 1958. To
authorise the use of large nets for
fishing at specified places during the
period extending from 1st Oct. 1958,
to 31st Jan. 1959. - 4 September 1958

Mon.legisl.Rep.F.A.O.

M

Netherlands. Laws, 59-8316
Statutes, etc. (1958)
Staatsblad, Neth., 462:965
Decree relative to application of
art.3, paras.1 and 3; art.6, para.1;
art.7, para.2 and art.8, para.1 of the
act relative to pollution of the
ocean by oil - 2 September 1958

Mon.legisl.Rep.F.A.O. Comment: S.T.:
Decree on pollution of the ocean by
oil.

mlr

I.

Colombia. Laws, 59-8317
Statutes, etc. (1958)
Diario ofic., Colombia, (29.746):374
Decreto número 1409 de 1958, por el cual se reglamentan los artículos 30, 31 y 49 del decreto legislativo número 0376 de 1957 (Decree no. 1409 of 1958 regulating articles 30, 31 and 49 and para.e of art. 74 of legislative decree no. 0376 of 1957)-- 31 July 1958

Mon.legisl.Rep.F.A.O. Comment:
concerns fishing rights of foreign vessels, etc.

:mlr

Netherlands. Laws, 59-8320
Statutes, etc. (1959)
Staatscourant, Neth., (17):3
Order No. Vi.100/Directie van de Visserijen exempting from the prohibitions contained in the regulations relative to fishing in rivers (Stbl.313/1952), seine fishing for smelt in the Meuse, the Waal and the secondary rivers of Northern Holland - 22 January 1959

Mon.legisl.Rep.F.A.O. Comment: order refers to the period until 1.5.1959.

mlr

MF

Costa Rica. Laws, 59-8318
Statutes, etc. (1958)
Gaceta, Costa Rica, (250):373
Decreto n° 14 fijando como zona de reserva, destinada exclusivamente a la pesca deportiva, de consumo doméstico y de carácter científico, la sección interior del Golfo de Nicoya (Decree no. 14 designating the interior section of the Gulf of Nicoya as a fisheries reserve zone, intended for fishing only for purposes of sport, domestic consumption or scientific research) - 17 October 1958

Mon.legisl.Rep.F.A.O.

M

Union of South Africa. 59-8321
Laws, Statutes, etc. (1958)
Govt Gaz., S.Afr., (6145):59
Dept. of Commerce and Industries - No. 1796. Sea fisheries act, 1940 - Amendment of regulations - 28 November 1958

Mon.legisl.Rep.F.A.O. Comment: amends the regulations promulgated under the said act & published in Govt Notice No. 1353 dated 1st July 1955, as amended by Govt Notices Nos 1781 dated 9th September 1955, 135 dated 27 January 1956, 217 dated 15 February 1956, 1550 dated 24 August 1956, 2313 dated 14 December 1956, 1217 dated

Netherlands. Laws, 59-8319
Statutes, etc. (1959)
Staatscourant, Neth., (17):3
Order Nr.Vi.99/Directie van de Visserijen exempting from the prohibitions contained in the regulations relative to fishing in rivers (Stbls.313/1952), drift-net fishing for smelt in the Meuse, the Waal and the secondary rivers of Northern Holland - 22 January 1959

Mon.legisl.Rep.F.A.O. Comment: the order refers to the period until 1.5.1959.

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MF

59-8321
(Card 2)
16 August 1957, 1556 dated 11 October 1957, 43 dated 10 January 1958, 454 dated 28 March 1958, & 684 dated 16 May 1958, to the extent set out in the schedule hereto.

:mlr

M

New South Wales. Laws, 59-8323
Statutes, etc. (1958)
Govt Gaz.N.S.W., (122):3720
Proclamation under the fisheries and
oyster farms act, 1935-1957 -
19 November 1958

Mon.legisl.Rep.F.A.O. Comment:
prohibits the taking of prawns in
Lake Illawarra by the method of
"running the net" described in the
schedule except by a crew of not less
than 2 licensed fishermen, for a
period of 5 years from the 15th
April 1959.

:mlr

MF

Canada. Laws, 59-8326
Statutes, etc. (1958)
Can.Gazette (II), 92(24):1413, 1483
SOR/58-487. Loi sur les pêcheries.
Règlement de pêche des territoires du
Nord-Ouest - Modification. C.P. 1958-
1662 (SOR/58-487. Fisheries act.
Territories fishery
regulations, amended. P.C. 1958-1662)
- 12 December 1958

Mon.legisl.Rep.F.A.O. Comment: amends
the regulations of 28th October 1954
[SOR/54-491] as amended [SOR/58-196]-
new version of S.10(3) a. (4): size
of mesh.

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F

Western Australia. Laws, 59-8324
Statutes, etc. (1958)
Govt Gaz.W.Aust., (101):3157
Proclamation - Fisheries act, 1905-
1956 - 26 November 1958

Mon.legisl.Rep.F.A.O. Comment:
prohibits the taking by any means
whatsoever of the fish known as or
called "crayfish" in all Western
Australian waters lying between 30th
& 33rd parallels of south latitude
from the first day of September to the
14th day of November in each & every
year. Revokes the proclamation dated
3/11/54.

:mlr

E

Chile, Laws, 59-8327
Statutes, etc. (1958)
Diario ofic., Chile, (24.231):2330
Decreto n°1.178 designando una
comisión que tendrá por misión el
estudio de los problemas derivados de
la aplicación del decreto número 22,
de 1951 (Decree no. 1178
appointing a commission entrusted
with the study of problems arising
out of application of decree no. 22
of 1951) - 19 December 1958

Mon.legisl.Rep.F.A.O. Comment: decree
in question prohibited trawling
within 3 miles of the coasts of the

Canada. Laws, 59-8325
Statutes, etc. (1958)
Can.Gazette (II), 92(24):1412, 1482
SOR/58-486. Loi sur les pêcheries.
Règlement de pêche de la Nouvelle-
Écosse - Modification. C.P. 1958-1661
(SOR/58-486. Fisheries act. Nova
Scotia fishery regulations, amended.
P.C. 1958-1661) - 12 December 1958

Mon.legisl.Rep.F.A.O. Comment: amends
the regulations of 31st December 1954
[SOR/54-728], as amended [SOR/58-181]-
revokes S.3(6), (7)a. (8).

:mlr

M

59-8327
(Card 2)
provinces of Concepcion & Arauco,
for purposes of permitting the
breeding of fish spp.

:mlr

M

Ireland. Laws, 59-8329
Statutes, etc. (1958)
Stat.Instr., Ire., (213)
Fisheries (amend.) act, 1958
(commencement) order, 1958 - 18
October 1958

Mon.legisl.Rep.F.A.C. Comment: as from
17th November 1958, persons fishing
for oysters must, under penalty, hold
a licence issued by the board of
conservators for the area, & as from
1st January 1959, persons dealing in or
exporting rainbow trout are required
to be licensed under the fisheries
acts.

:mlr

M

Peru. Laws, 59-8332
Statutes, etc. (1958)
Peruano, (5299):1
Decreto supremo n° 012. Normas para
la pesca comercial de la anchoveta
(Supreme decree no. 012 regulating
commercial anchovy fishing) -
5 December 1958

Mon.legisl.Rep.F.A.C.

M

Netherlands. Laws, 59-8330
Statutes, etc. (1958)
Staatsblad, Neth., 523:1063
Decree amending special regulations
governing fisheries III, IV and V
published in Staatsblad 315 of 1932 -
12 November 1958

Mon.legisl.Rep.F.A.C.

:mlr

M

Ireland. Laws, 59-8333
Statutes, etc. (1958)
Stat.Instr., Ire., (165)
Oil pollution of the sea act, 1956
(commencement)(No.2) order, 1958 -
28 July 1958

Mon.legisl.Rep.F.A.C. Comment: this
order brings into operation those
provisions of the oil pollution of the
sea act, 1956, which prohibit the
discharge from Irish ships of certain
oils within the sea area specified
in parts III & IV of the schedule of
the act.

:mlr

M

Peru. Laws, 59-8331
Statutes, etc. (1958)
Peruano, (5286):1
Peruano, (5300):1
Decreto supremo n° 11. queda prohibida
la caza e industrialización de lobos
marinos en el litoral peruano
(Supreme decree no. 11 prohibiting
hunting and processing of seals (Otaria
flavescens and Arctocephalus australis)
on the Peruvian coast) - 19 November
1958

Mon.legisl.Rep.F.A.C. Comment:
prohibition to remain in force until
1 January 1962.

:mlr

M

New South Wales, Laws 59-8334
Statutes, etc. (1958)
Govt Gaz.N.S.W., (126):3914
Regulations under the fisheries and
oyster farms act, 1935-1957 -
19 December 1958

Mon.legisl.Rep.F.A.C. Comment: minor
amendments of the principal
regulations affecting raw & cooked
prawns.

:mlr

M

Canada. Laws, 59-8335

Statutes, etc. (1958)

Can.Gazette (II), 93(1):21

DCRS/59-17. Loi sur les pêcheries.

Propagation du poisson dans la passe

Conway, comté de Prince, I.P.-E.:

certaines eaux mises à part

(SOR/59-17. Fisheries act. Propagation

of fish in Conway Narrows, Prince

County, P.E.I., certain waters

thereof set apart) - 23 December 1958

Mon.legisl.Rep.F.A.O.

Iraq. Laws, 59-8338

Statutes, etc. (1958)

Off. Gaz. Iraq, (82):3

Ag. 71 (1958) relative to Iraqi

fisheries in frontier zones

Mon.legisl.Rep.F.A.O. Comment: also
delimits rights to air space & to the
sea bed in the areas in question,
in accordance with international
agreements.

mlr

Finland. Laws, 59-8336

Statutes, etc. (1958)

Finlands FörfattnSaml., (411-420):1011

Resolution no. 418 of the Ministry

of Agriculture relative to the

marketing of undersized white-fish

caught in Lake Inari - 9 October 1958

Mon.legisl.Rep.F.A.O. Comment:

According to this resolution the

white-fish variety (Coregonus

oxyrrhynchus), regarding the catching

of which special stipulations are in

force, may be caught during October &

November in the communes of Inari,

Utsjoki & Enontekiö, North Finland,

U.S. Laws, 59-8339

Statutes, etc. (1959)

Fed.Reg.nat.Arch.U.S., 24(23):733

Title 50 - Wildlife - Chapt.I - Fish

and Wildlife Service, Dept. of the

Interior - Subchapt.I - Northwest

Atlantic commercial fisheries - Part

155 - Haddock and cod fisheries -

30 January 1959

Mon.legisl.Rep.F.A.O. Comment: A

revision of the regulations under

Part 155 is necessary to carry out

the purposes & objectives of the

international convention for the

59-8336
(Card 2)

& may be marketed outside these
communes, even if below regulation
size, provided that such fish is
marked in accordance with the
stipulations contained in para. 89 of
the fishery act.

59-8339
(Card 2)

northwest Atlantic fisheries & the
act of 1950.

mlr

F

mlr

M

Argentina. Laws, 59-8341
Statutes, etc. (1959)
Bol. ofic., Argentina, (18.835):2
Resolución n°932. Redúcese la distancia
para el uso de redes de arrastre
remolcadas por embarcaciones de
cualquier clase (Resolution no.932.
Reduces the distance for use of
trawl nets towed by any kind of boat) -
21 October 1958

Mon.legisl.Rep.F.A.O.

M

Canada. Laws, 59-8344
Statutes, etc. (1959)
Can.Gazette, (4):88, 92
DORS/59-50. Décret C.P.1959-155
modifiant le règlement de pêche de
l'Ontario, en vertu de la loi sur les
pêcheries (SOR/59-50. Order in
council P.C.1959-155 to amend the
Ontario fishery regulations, pursuant
to the fisheries act) - 13 February
1959

Mon.legisl.Rep.F.A.O. Comment: amends
the regulations P.C.1954-160 (SOR/54-
36), as amended (SOR/59-22). Revokes
& substitutes subsec.(5) of sections
4 & 14.

:mlr

Western Australia. Laws, 59-8342
Statutes, etc. (1959)
Govt Gaz.W.Aust., (13):409
Proclamation under the fisheries act,
1905-1956 - 11 February 1959

Mon.legisl.Rep.F.A.O. Comment: Murray
River, incl. the tributaries thereof,
shall be closed until January 31, 1964,
against the use of prawn nets, other
than dip nets held in the hand &
having a diameter of not more than
2 feet.

:mlr

MF

Chile, Laws, 59-8345
Statutes, etc. (1959)
Diario ofic., Chile, (24.301):470
Decreto n°185. Establece veda por
cinco años para la especie denominada
churo (Mytilus choris) (Decree
no. 185 establishing a close season
for five years in respect of the
mollusc species Mytilus choris) -
6 March 1959

Mon.legisl.Rep.F.A.C.

II

Canada. Laws, 59-8343
Statutes, etc. (1959)
Can.Gazette (II), (2):26
DORS/59-22. Décret C.P. 1959-13
modifiant les règlements de pêche de
l'Ontario, en vertu de la loi sur les
pêcheries (SOR/59-22. Order in
council P.C. 1959-13 to amend the
Ontario fishery regulations, pursuant
to the fisheries act) - 9 January 1959

Mon.legisl.Rep.F.A.C. Comment: affects
ss.2,3,4,5,41,46,65,69,88,93,94 & 95,
concerning in particular netting
regulations - Amends the regulations
of 3.2.1954 (SOR/54-36), as amended
(SOR/58-76).

:mlr

M

Ireland. Laws, 59-8346
Statutes, etc. (1959)
Iris Oifigiúil, (27):344
Foyle Fisheries Commission. Foyle
Area (close season) regulations,
1959 - 24 March 1959

Mon.legisl.Rep.F.A.C. Comment: the
annual close season in the Foyle Area
shall be the period beginning on 1st
September & ending on 30th day of
April next following, both days incl.

:mlr

MF

Spain. Laws, 59-8347
 Statutes, etc. (1959)
Bol. ofic. Estado, Spain, (39):2066
 Resolución de la Dirección General
 de Montes, Caza y Pesca Fluvial por la
 que se disponen periodos hábiles para
 la pesca de salmónidos durante el año
 1959 (Resolution by the General
 Directorate of Forestry, Hunting and
 River Fishing assigning open seasons
 for salmonids (salmon and trout)
 fishing during 1959) - 28 January 1959

Mon.legisl.Rep.F.A.O.

IT

Queensland.. Laws, 59-8350
 Statutes, etc. (1959)
Qd Govt Gaz., (79):1573
 Order in council made under the
 fisheries act of 1957 - 12 March 1959

Mon.legisl.Rep.F.A.O. Comment:
 repeals the order in council made
 under the fish and oyster act of 1914
 dated 23.12.1926, & all orders in
 council issued in amendment thereof;
 & alters the third schedule to the
 fisheries act of 1957 by inserting in
 lieu thereof the fish & measurements
 as set out in the schedule hereto: it
 shall be unlawful for any person to

Spain. Laws, 59-8348
 Statutes, etc. (1959)
Bol. ofic. Estado, Spain, (41):2825
 Orden por la que se establece la veda
 de la sardina en las regiones
 Cantábrica y Noroeste (Order
 establishing a close season for sardine
 fishing in the Cantabrian and North
 West regions) - 13 February 1959

Mon.legisl.Rep.F.A.O.

I

59-8350
 (Card 2)
 take, to have in possession, to have
 on any premises or vessel or to sell
 fish of any of the species mentioned
 therein of a less measurement than
 the measurement set opposite the name
 of such fish.

smr

M

Mexico. Laws, 59-8349
 Statutes, etc. (1959)
Diario ofic., México, (20):10
 Acuerdo que crea la comisión técnica
 Mexicana para la prevención de la
 polución de las aguas del mar por
 hidrocarburos (Resolution
 establishing the Mexican technical
 committee for prevention of pollution
 of sea water by hydrocarbons) -
 9 January 1959

Mon.legisl.Rep.F.A.O.

21

Canada. Laws, 59-8352
 Statutes, etc. (1959)
Can. Gazette (II), (5):193, 182
DCRS/59-67. Modifications à la
 limitation de la quantité de poisson
 blanc et de truite pêchée dans le
 Grand Lac des Esclaves, en vertu de
 la loi sur les pêcheries (SOR/59-
 67. Whitefish and trout, Great Slave
 Lake, quota of catch amended,
 pursuant the fisheries act) -
 12 February 1959

Mon.legisl.Rep.F.A.O. Comment: amends
 order SOR/55-412 of 27.10.1955.

smr

F

Chile. Laws, 59-8353
 Statutes, etc. (1959)
Diario ofic., Chile, (24.311):555
 Decreto número 200 estableciendo veda
 indefinida para las especies
 salmonídeas en todo el país
 (Decree no. 200 fixing an indefinite
 close season throughout the country
 for fish of the Salmonidae family) -
 11 March 1959

Mon.legisl.Rep.F.A.O.

F

Uruguay. Laws, 59-8356
 Statutes, etc. (1959)
Diario ofic., Uruguay, (15.613):426-A
 Decreto creando y reglamentando un
 contralor sanitario a cargo del
 Servicio Oceanográfico y de Pesca
 (Decree establishing and regulating a
 sanitary control department in the
 Oceanographic and Fisheries Service) -
 11 December 1958

Mon.legisl.Rep.F.A.C.

East Pakistan. Laws, 59-8354
 Statutes, etc. (1959)
Dacca Gaz., Part IIIA:355
 The East Pakistan ordinance no. XXIV
 of 1959. The East Pakistan Government
 fisheries (protection) ordinance,
 1959 - 20 March 1959

Mon.legisl.Rep.F.A.O.

Czechoslovakia. Laws, 59-8357
 Statutes, etc. (1959)
Úřední List, (8):128
 Order of Ministry of Agriculture and
 Forest Economy establishing basic
 conditions relative to delivery of
 freshwater fish, young fish, fish
 spawn, and breed-fish - 15 January
 1959

Mon.legisl.Rep.F.A.O. Comment: refers
 to categories of marketable fish & is
 accompanied by an annexe specifying
 coefficients.

mlr

Union of South Africa. 59-8355
 Laws, Statutes, etc. (1959)
Govt Gaz., S.Afr., (6196):13
 Govt Notice no. 474. Whaling seasons
 for land stations, 1959 - 26 March
 1959

Mon.legisl.Rep.F.A.C. Comment:
 approves periods during which whale
 catchers attached to land stations may
 be used for purpose of killing or
 attempting to kill sperm whales &
 baleen whales, incl. minke whales.

mlr

Canada. Laws, 59-8358
 Statutes, etc. (1959)
Can.Gazette (II), (6):187, 197
DORS/59-71. Décret C.P.1959-254
 modifiant le règlement de chasse à la
 baleine, en vertu de la loi sur la
 convention concernant la chasse à la
 baleine (SCR/59-71. Order in
 council P.C.1959-254 to amend the
 whaling regulations, pursuant to the
 whaling convention act) - 5 March 1959

Mon.legisl.Rep.F.A.C. Comment: amends
 regulations of 18.11.1954 (SCR/54-540)
 as amended (SCR/58-37). Affects SS.8(3)
 10A(1) & 18(1).

mlr

Canada. Laws, 59-8359
Statutes, etc. (1959)
Can.Gazette (II), (6):188, 198
DORS/59-72. Décret C.P.1959-255.
Règlement de la Commission Internationale des Pêcheries de Flétan du Pacifique en vertu de la loi sur la convention relative à la pêche du flétan dans le Pacifique Septentrional (SOR/59-72. Order in Council P.C.1959-255. International Pacific Halibut Commission regulations) - 5 March 1959
Mon.legisl.Rep.F.A.C.

Canada, Laws, 59-8362
Statutes, etc. (1959)
Can.Gazette (II), (8) 294, 310
DORS/59-113. Décret C.P.1959-424
modifiant le règlement de pêche du Québec, en vertu de la loi sur les pêcheries (SOR/59-113. Order in Council P.C.1959-424 to amend the Quebec fishery regulations, pursuant to the fisheries act) - 9 April 1959
Mon.legisl.Rep.F.A.C. Comment: amends regulations of 22.12.1954 (SOR/54-712), as amended 59-0652. Affects ss. 1, 15, 16, 29, 37, 57 & 66: miscellaneous changes as to restrictions.

:mlr

M

Netherlands. Laws, 59-8360
Statutes, etc. (1959)
Staatscourant, (34):5
Order No.Vi.309/Directie van der Visserijen, issued by the Minister of Agriculture, Fisheries, etc., specifying exemption in connection with the period for the close season for tench - 14 February 1959

Mon.legisl.Rep.F.A.O. Comment: exempts for 1959 tench fishing from the prohibitive restrictions contained in fisheries regulations.

:mlr

F

Union of South Africa. 59-8363
Laws, Statutes, etc. (1959)
Govt Gaz., S.Afr., (6208):12
Govt Notice no. 568. Whaling seasons for land stations, 1959. Sea fisheries act, 1940 - 24 April 1959

Mon.legisl.Rep.F.A.O. Comment: approves the periods during which whale catchers attached to land stations may be used for the purpose of killing or attempting to kill sperm whales & baleen whales, incl. minke whales. Govt. Notice no. 474 of 26 March 1959 is hereby withdrawn, 59-8355.

:mlr

M

Canada. Laws, 59-8361
Statutes, etc. (1959)
Can.Gazette (II), (8):293, 309
DORS/59-112. Décret C.P.1959-423
modifiant le règlement de pêche du homard, en vertu de la loi sur les pêcheries (SOR/59-112. Order in Council P.C.1959-423 to amend the lobster fishery regulations, pursuant to the fisheries act) - 9 April 1959

Mon.legisl.Rep.F.A.C. Comment: amends 59-0457 as amended (SOR/58-328). Affects ss.3, 8 & items 5 & 10 of the schedule.

:mlr

M

U.K. Laws, 59-8364
Statutes, etc. (1959)
Chapt. 27, 7 & 8 Eliz. 2
Sea fisheries (compensation) (Scotland) act, 1959. An act to make further provision as to compensation for any loss or damage occasioned to fishing nets or gear detained by sea fishery officers in Scotland - 30 April 1959

Mon.legisl.Rep.F.A.C.

M

Belgium. Laws, 59-8365

Statutes, etc. (1959)

Monit.belge, (36):736

Arrêté ministériel instituant une commission de recherche scientifique pour la pêche maritime (Ministerial order establishing a commission on scientific research into maritime fisheries) - 15 January 1959

Mon.legisl.Rep.F.A.O.

M

:mlr

M

59-8367

(Card 2)

of the expenses incurred in connection with collecting fees for fishing. Recipients are required to submit a report & accounts regarding the use of these funds.

Mexico. Laws, 59-8366

Statutes, etc. (1959)

Diario ofic., México, (33):1

Decreto promulgando el protocolo a la convención internacional para la reglamentación de la caza de la ballena, firmada en Washington con fecha 2 de diciembre de 1946

(Decree promulgating the protocol to the international convention for the regulation of whaling signed in Washington on 2 December 1946) - 10 March 1959

Mon.legisl.Rep.F.A.C. Comment: this protocol was signed in Washington 19 November 1956.

:mlr

M

Sweden. Laws, 59-8369

Statutes, etc. (1958)

Svensk FörfSamml., (89-90):162

Royal order No. 89 amending article 1 of the order No. 699 of 21 November 1952 specifying certain provisions relative to the size of the mesh in fishing nets and the minimum dimensions of fish etc. - 7 March 1958

Mon.legisl.Rep.F.A.C.

M

Finland. Laws, 59-8367

Statutes, etc. (1959)

Finlands FörfattnSaml., (104-111):314

Resolution no. 110 amending the decree relative to the coming into force and application of the fisheries act - 27 February 1959

Mon.legisl.Rep.F.A.O. Comment: funds appropriated under the state budget according to art. 101 of the fishing act shall be used for: 1) information activities; 2) increase of fish population; 3) research & experimentation in the field of fisheries & 4) payment

U.S. Laws, 59-8370

Statutes, etc. (1959)

Fed.Reg.nat.Arch.U.S., 24(136):5645

CFR 50 - Chapt. III - Subchapt. B: International Whaling Commission - Part 351: whaling - 7 July 1959

Mon.legisl.Rep.F.A.O. Comment: amendments to the whaling regulations made by the commission at its tenth meeting at The Hague 1958 - minor changes.

:mlr

M

U.S. 59-8371
Treaties, etc. (1959)
Bull. Dep. State U.S., (1034):566
Convention between the United States
of America and Cuba for the
conservation of shrimp - 15 April 1958
Mon. legisl. Rep. F.A.O.

M

Netherlands. Laws, 59-8374
Statutes, etc. (1959)
Staatscourant, (91):5
Order No. Vi. 1771/Directie v.d.
Visserijen issued by the Minister of
Agriculture, Fisheries, etc. specifying
various exemptions in regard to the
close season for fishing -
13 May 1959
Mon. legisl. Rep. F.A.O.

M

Denmark. Laws, 59-8372
Statutes, etc. (1959)
Lovtidende A., (1C):567
Ordinance No. 130 relative to the
fisheries police in the seas
surrounding the Faroe Islands -
27 April 1959
Mon. legisl. Rep. F.A.O.

I

Canada. Laws, 59-8375
Statutes, etc. (1959)
Can. Gazette (II), (13):508, 49C
DCRS/59-207. Décret C.P. 1959-778
modifiant le règlement sur
l'inspection des petits bateaux de
pêche, en vertu de la loi sur la
marine marchande du Canada
(SCR/59-207. Order in council P.C.
1959-778 to amend the small fishing
vessel inspection regulations,
pursuant to the Canada shipping act) -
18 June 1959

Mon. legisl. Rep. F.A.O. Comment: amends
the regulations (SCR/56-51), as

Denmark. Laws, 59-8373
Statutes, etc. (1959)
Lovtidende A., (1C):567
Ordinance No. 131 relative to the
fisheries police in the seas
surrounding the Faroe Islands -
27 April 1959
Mon. legisl. Rep. F.A.O.

M

59-8375
(Card 2)
amended, 59-0514. Affects ss. 2, 16,
17 & 27.

:mlr

M

Ghana. Laws, 59-8377
Statutes, etc. (1959)
Govt Gaz., Ghana, Suppl. (43):171
The fisheries ordinance (cap. 165).
The fisheries (amendment)
regulations, 1959 - 13 May 1959

Mon.legisl.Rep.F.A.C. Comment: amends
the fisheries regulations 1946 by
adding after regulation 8 new
regulations relating to: minimum
requirements of mesh, lights &
equipment of vessels.

:mlr

M

Canada. Laws, 59-8380
Statutes, etc. (1959)
Can.Gazette (II), (11):401, 383
DORS/59-164. Décret C.P. 1959-624
modifiant le règlement de pêche du
Nouveau Brunswick, en vertu de la loi
sur les pêcheries (SCR/59-164.
Order in council P.C. 1959-624 to
amend the New Brunswick fishery
regulations, pursuant to the
fisheries act) - 21 May 1959

Mon.legisl.Rep.F.A.O. Comment: minor
changes in s. 74.

:mlr

M

Canada. Laws, 59-8378
Statutes, etc. (1959)
Can.Gazette (II), (11):395, 377
DORS/59-162. Décret C.P. 1959-622
modifiant le règlement de Terre-Neuve
concernant la pêche à la morue, en
vertu de la loi sur les pêcheries
(SOR/59-162. Order in council P.C.
1959-622 to amend the Newfoundland
codfishery regulations, pursuant
to the fisheries act) - 21 May 1959

Mon.legisl.Rep.F.A.O.

M

Canada. Laws, 59-8381
Statutes, etc. (1959)
Can.Gazette (II), (12):442, 424
DORS/ 59-183. Décret C.P. 1959-683:
règlement de 1959 sur la pêche des
saumons sockeye et rose du Fraser, en
vertu de la loi sur les pêcheries
(SOR/59-183. Order in council P.C.
1959-683: Fraser River sockeye and
pink salmon fishery regulations, 1959,
pursuant to the fisheries act) -
4 June 1959

Mon.legisl.Rep.F.A.O.

MF

Canada. Laws, 59-8379
Statutes, etc. (1959)
Can.Gazette (II), (11):397, 379
DORS/59-163. Décret C.P. 1959-623
modifiant le règlement de Terre-Neuve
sur la pêche et la mise en
conservation du saumon, en vertu de la
loi sur les pêcheries (SOR/59-163.
Order in council P.C. 1959-623 to
amend the Newfoundland salmon fishery
and packing regulations, pursuant to
the fisheries act) - 21 May 1959

Mon.legisl.Rep.F.A.O. Comment: various
changes in the local regulations on
salmon.

:mlr

MF

Canada. Laws, 59-8382
Statutes, etc. (1959)
Can.Gazette (II), (12):475, 457
DORS/59-190. Décret C.P. 1959-723
modifiant le règlement de pêche de la
Colombie Britannique, en vertu de la
loi sur les pêcheries (SCR/59-190.
Order in council P.C. 1959-723 to amend
the British Columbia fishery
regulations, pursuant to the fisheries
act) - 11 June 1959

Mon.legisl.Rep.F.A.O. Comment: amends
the regulation of 8 Dec. 1954 (SOR/54-
659), as amended (SCR/58-428: new
revision of ss.75-94, local provisions.

:mlr

MF

Canada. Laws, 59-8383
Statutes (1959)
Can.Gazette (II), (12):483, 465
DORS/59-191. Décret C.P. 1959-724:
règlement pour la protection des
phoques, fait en vertu de la loi sur
les pêcheries (SOR/59-191. Order
in council P.C. 1959-724: seal
protection regulations, pursuant to the
fisheries act) - 11 June 1959

Mon.legisl.Rep.F.A.O. Comment: revokes
& replaces the regulations of 18
December 1949 (SOR/49-417).

:mlr

M

Canada. Laws, 59-8386
Statutes, etc. (1959)
Can.Gazette (II), (13):534, 514
DORS/59-214. Décret C.I. 1959-807:
règlement pour la protection des
morses, fait en vertu de la loi sur
les pêcheries (SOR/59-214. Order
in council P.C. 1959-807: walrus
protection regulations, made under the
fisheries act) - 25 June 1959

Mon.legisl.Rep.F.A.O. Comment: in
substitution for rules issued under
SOR/49-387.

:mlr

M

Canada. Laws, 59-8384
Statutes, etc. (1959)
Can.Gazette (II), (13):497, 479
DORS/59-203. Décret C.P. 1959-762
modifiant le règlement de pêche du
Nouveau Brunswick, en vertu de la loi
sur les pêcheries (SOR/59-203. Order
in council P.C. 1959-762 to amend the
New Brunswick fishery regulations,
pursuant to the fisheries act) -
18 June 1959

Mon.legisl.Rep.F.A.O. Comment: amends
reg. (SOR/54-657), as amended, 59-8380.

:mlr

M

Canada. Laws, 59-8387
Statutes, etc. (1959)
Can.Gazette (II), (14):557, 537
DORS/59-227. Décret C.P. 1959-847
modifiant le règlement de pêche du
Nouveau Brunswick, en vertu de la
loi sur les pêcheries (SOR/59-227.
Order in council P.C. 1959-847 to
amend the New Brunswick fishery
regulations, pursuant to the fisheries
act) - 3 July 1959

Mon.legisl.Rep.F.A.O. Comment: amends
regulation (SOR/54-657), as amended
59-8394.

:mlr

M

Canada. Laws, 59-8385
Statutes, etc. (1959)
Can.Gazette (II), (13):498, 480
DORS/59-204. Décret C.P. 1959-763
modifiant le règlement de pêche du
Manitoba, en vertu de la loi sur les
pêcheries (SOR/59-204. Order in
council P.C. 1959-763 to amend the
Manitoba fishery regulations, pursuant
to the fisheries act) - 18 June 1959

Mon.legisl.Rep.F.A.O. Comment: amends
regulations (SOR/54-365), as amended
(SOR/58-250. Affect ss. 2 & 4).

:mlr

F

Canada. Laws, 59-8388
Statutes, etc. (1959)
Can.Gazette (II), (14):559, 539
DORS/59-229. Décret C.P. 1959-860
modifiant le règlement de pêche de la
Nouvelle Ecosse, en vertu de la loi
sur les pêcheries (SOR/59-229.
Order in council P.C. 1959-860 to
amend the Nova Scotia regulations,
pursuant to the fisheries act) -
9 July 1959

Mon.legisl.Rep.F.A.O. Comment: amend
regulations (SOR/54-728), as amended
(SOR/59-7).

:mlr

M

France. Laws, 59-8389
Statutes, etc. (1959)
J.off.Rép.franc., (89):4213
Arrêté relatif à la pêche au saumon
dans certains cours d'eau du
territoire français (Order relative
to salmon fishing in certain water-
courses or sections thereof in French
territory) - 6 April 1959.

Mon.legisl.Rep.F.A.O.

:mlr

MF

Morocco. Laws, 59-8392
Statutes, etc. (1959)
Bull.off.Emp.Chérif., (2419):444
Arrêté du sous-secrétaire d'Etat au
commerce, à l'industrie, à l'artisanat
et à la marine marchande relatif à
l'interdiction temporaire de la pêche
des homards et des langoustes
(Order of the Undersecretary of State
for trade, industry, handicrafts and
the merchant navy relative to the
temporary prohibition of lobster and
crayfish fisheries) - 28 February 1959

Mon.legisl.Rep.F.A.O.

M

Honduras. Laws, 59-8390
Statutes, etc. (1959)
Gaceta, Honduras, (16.807):1
Decree no. 154 containing the fisheries
act - 19 May 1959

Mon.legisl.Rep.F.A.O.

:mlr

M

Philippines. Laws, 59-8393
Statutes, etc. (1959)
Off.Gaz., Philippines, 55(18):3271
Fisheries administrative order No. 3-7.
Further amending paragraph (b) of
section 3 of FAO No. 3 as amended -
13 April 1959

Mon.legisl.Rep.F.A.O. Comment: refers
to fishing in Laguna Bay during the
period from 1 January to 31 December
1959, both dates inclusive.

:mlr

M

Morocco. Laws, 59-8391
Statutes, etc. (1959)
Bull.off.Emp.Chérif., (2419):440
Arrêté du ministre de l'agriculture
portant réglementation annuelle de la
pêche dans les eaux continentales et
fixant les périodes spéciales d'inter-
diction et les réserves de pêche pendant
la saison 1959-1960 (Order of the
Minister of Agriculture providing for
annual regulation of fisheries in
continental waters and fixing the special
periods of prohibition and fish reserves
during the 1959-60 season) - 18 Feb.1959

Mon.legisl.Rep.F.A.O.

II

Spain. Laws, 59-8394
Statutes, etc. (1959)
Bol.ofic.Estado, Spain, (110):6760
Resolución de la Dirección General de
Montes, Caza y Pesca Fluvial por la que
se establece período de veda para la
pesca del "black-bass" y dimensiones
mínimas para la captura de ejemplares
de esta especie (Resolution of
the Directorate General for Forests,
Hunting and River Fishing establishing
a close season for "black-bass" fishing
and minimum dimensions allowed for fish
caught of this species) - 28 April 1959

Mon.legisl.Rep.F.A.O.

F

U.K. Laws, 59-8395
Statutes, etc. (1959)
Stat.Instr., U.K., (1333)
The sea-fishing industry (fishing nets)
(variation) order, 1959 - 29 July 1959

Mon.legisl.Rep.F.A.O. Comment: provides
that during the period commencing with
6 August 1959, & ending with 4 April
1961, a rectangular piece of netting
may also be attached to the upperside of
a cod-end of a net having a mesh of
110 m.m. or more if the netting
satisfies certain conditions as to size
of mesh & method of attachment.

:mlr

M

U.S. Laws, 59-8398
Statutes, etc. (1959)
Fed.Reg.nat.Arch.U.S., 24(123):5151
CFR 50 - Chapt. I - Subchapt. F:
Alaska commercial fisheries - Part 108:
Kodiak area - Increase in quota for
razor clams - 22 June 1959

Mon.legisl.Rep.F.A.O. Comment:
increased utilisation during the
current season is desirable both from
economic & biological standpoints.

:mlr

IF

U.S. Laws, 59-8396
Statutes, etc. (1959)
Fed.Reg.nat.Arch.U.S., (106):4378
CFR 50 - Chapt. I - Subchapt. F: Alaska
commercial fisheries - Part 101:
definitions - Part 104: Bristol Bay area
- Part 115: Southeastern Alaska area.
Miscellaneous amendments - 28 May 1959

Mon.legisl.Rep.F.A.O. Comment: salmon
fishing conditions.

:mlr

M

Sweden. Laws, 59-8399
Statutes, etc. (1959)
Svensk FörfSaml., (6)
Royal order No. 6 amending act 12 of
the regulation No. 269 of 2 June 1950
for state-aided training activities in
the fisheries field - 16 January 1959

Mon.legisl.Rep.F.A.O.

M

U.S. Laws, 59-8397
Statutes, etc. (1959)
Fed.Reg.nat.Arch.U.S., 24(112):4663
CFR 50 - Chapt. I - Subchapt. F: Alaska
commercial fisheries. Miscellaneous
amendments to subchapter - 8 June 1959

Mon.legisl.Rep.F.A.O. Comment: to allow
purse seines and drift nets to fish on
alternate days.

:mlr

M

U.K. Laws, 59-8400
Statutes, etc. (1959)
C.L.S.A. 1959, Part 3, Cha.27(7a.Eliz.2)
An act to make further provision as to
compensation for any loss or damage
occasioned to fishing nets or gear
detained by sea fishery officers in
Scotland, S.F.: sea fisheries
(compensation) (Scotland) act, 1959 -
30 April 1959

Mon.legisl.Rep.F.A.O. Comment: removes
an anomaly in the statutory
provisions.

:mlr

M

Cyprus. Laws, 59-8401
Statutes, etc. (1959)
Cyprus Gaz., (4230), Suppl.No.3:(263)
The fisheries law: cap. 88 and law of
1951 and 8 of 1958. Order in council
No. 3076 made under section 6 - 5 May
1959

Mon.legisl.Rep.F.A.O. Comment: the
number of licences to be issued in any
year to trawlers for the purpose of
taking fish in the colony is limited
to 12 instead of 10 & the fisheries
regulations 1952 are amended
accordingly.

mlr

M

Rhodesia-Nyasaland. 59-8404
Laws, Statutes, etc. (1959)
Fed.Govt Gaz., Rhodesia, Suppl. 446
Fed.Govt notice No. 179. Control of
goods (import and export (agriculture).
(amendment) regulations, 1959 (No.1) -
undated

Mon.legisl.Rep.F.A.O. Comment: the
aim objects of this order are to
obviate the necessity of obtaining:-
a) import permits for live animals
(incl. poultry & other birds but not
fish & reptiles) which are in transit
through the federation by air but
which are not off-loaded from the

Nova Scotia. Laws, 59-8402
Statutes, etc. (1959)
Law: 1959, Ch. 9:55
An act respecting the harvesting and
conservation of sea plants. S.T.: plants
harvesting act - 26 March 1959

Mon.legisl.Rep.F.A.O.

M

59-8404
(Card 2)
aircraft, & b) permits for the
export of fish, fresh or dried, caught
in Northern Rhodesia.

mlr

IF

Ontario. Laws, 59-8403
Statutes, etc. (1959)
Statutes, Ont., 40:145
An act to amend the game and fisheries
act. S.T.: the game and fisheries
amendment act, 1959 - 26 March 1959

Mon.legisl.Rep.F.A.O. Comment:
miscellaneous minor changes.

mlr

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Froudman, J. (1958) 59-8406
J.Fluid Mech., 3(4)
On the series that represent tides
and surges in an estuary

slow

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Helgoländ.wiss.Meeresunters., 6(2):
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Zur Atmungsphysiologie von Arenicola
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Irie, H. (1958) 59-8410
Bull.Fac.Fish.Nagasaki Univ., (6):
106-8

Pelagic amphipods in Omura Bay

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16(1)

Die Höhenwinde über dem tropischen und
südlichen Atlantischen Ozean. Lief. 2,
Abschnitt B. Weitergehende statistische
Bearbeitung für Ausgewählte Felder
(The high winds over the tropical and
southern Atlantic Ocean. Lief.2,
Abschnitt B. Continuation of
statistics in special fields)

Harvey, L.A. (1958) 59-8411
Sci.Paper., 46(183):508-15
The pattern of distribution of
littoral animals

low

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Jones, F.R. & 59-8409
G. Pearce (1958)
J.exp.Biol., 35(2):437-50
Acoustic reflexion experiments with
perch (Perca fluviatilis Linn.) to
determine the proportion of the echo
returned by the swimbladder

Hashimoto, M. (1958) 59-8412
Mem.Kobe Mar.Obs., 12(2):19-26
On the forecasting of the movement
of the typhoon (3rd report)

low

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Konaga, S. (1958) 59-8413
Mem.Kobe Mar.Obs., 12(2):27-30
 Kuroshio in Enshunada (2nd report.
 On the T-o_t relation)

Hoshiai, T. (1958) 59-8416
Bull.Mar.biol.Sta.Asamushi, 9(1):27-33
 Synecological study on intertidal
 communities - I. The zonation of
 intertidal animal community with
 special reference to the interspecific
 relation

low M

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Hirai, E. (1958) 59-8414
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 Morphological observations of
 ascidian larvae. 4. Styela plicata
 (Lesueur)

Hiramoto, Y. (1958) 59-8417
J.exp.Biol., 35(2):407-24
 A quantitative description of
 protoplasmic movement during cleavage
 in the sea-urchin egg

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 Problems connected with the possible
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Versuche zur Bekämpfung der
Dreikantmuschel Dreissensia polymorpha
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Pallas with ultrasonic sound)

Investigations with various
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FiB:tl

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J.appl.Phys., 28(2):205-11
Air bubbles in water

Solubility of air bubbles is observed
in experiments. Freely rising bubbles
exhibit a solution rate more than twice
that of bubbles. The theory of
solution of stationary bubbles is
given but the theory of a free bubble
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Oceanogr., (906), 1958).

FAO:ll

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J.cell.comp.Physiol., 49(1):115-28
Characteristics of the diurnal rhythm
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Experimental study of culture of this
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FAO:sjh

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B.M. Sweeney (1957)
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The extraction, partial purification
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FAO:jwh

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Sensitivity to light in the sea
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Studies of reaction time variability
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intensity and temperature

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FAO:

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Submarine topography of continental
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Laboratory studies on the rate of
growth of the foraminifer, Streblus
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Many generations have been cultured
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FAO:jsb

M

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685-98
Seismic-refraction studies of
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Study of sea bed structure in this
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FAO:sjh

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Effect of hydrostatic pressure on
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Method & apparatus for the measurement
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described & applied to this sp. of
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FAO:rym

M

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699-707
Chemical erosion of beach rock and
exposed reef rock

A study of the solution of calcium
carbonate in the intertidal zone.
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FAO:rr

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Carcinides maenas

Ill. description of specimens from
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FAO:sjh

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Monochromatic measurement of the
volume scattering of natural waters

A laboratory method is proposed for
measuring, as a function of wave-
length, the scattering per unit
volume of distilled & natural waters.
The method employs special fixtures &
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meter. (issued as: Contr.Scripps
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FAO:jet

LF

Phleger, F.B. & 59-8431

R.R. Lankford (1957)

Contr.Cushman Fdn, 8(3):93-105

Seasonal occurrences of living
benthonic foraminifera in some Texas
bays

Seasonal collections were made from 32
stations in San Antonio, Mesquite, &
Aransas Bays during August & November,
1954, & January, March, May & June 1955.
Ammobaculites salsus, Streblus beccarii
& Quinqueloculina. (issued as: Contr.
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FAO:fbp

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Munk, W.H., M.J. Tucker 59-8434

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Publ.nat.Acad.Sci., Washington, D.C.,
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Remarks on the ocean wave spectrum

A record of water level against time
at a fixed point off La Jolla can be
interpreted as the result of
superposition from waves of all
possible frequencies. A typical
analysis into component frequencies
shows 5 distinct bands of activity
with frequencies higher than those of
the tides. Quantitative estimates of
energy density are given. The

Lankford, R.R. & 59-8432

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Mid-tertiary rock outcrop on continental
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Geological & paleontological study.
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FAO:sjh

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FAO:whm

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Incl. account of germanium in marine
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FAO:sjh

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sediments

Chemical & mineralogical composition
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FAO:edg

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FA 33(10)35859.

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Comparative biochemical studies of the
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Phycobilins are the prosthetic
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ba

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ba

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 Contribution à l'étude cytologique et
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 quelques mollusques et crustacés
 (Contribution to the cytological and
 histochemical study of some granules and
 specific secretory corpuscles of the
 hepato-pancreatic cell in some
 mollusca and crustacea)

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ba

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 Ring formation by Triglochin
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Poluição das águas marítimas.
Estragos na flora e fauna do Rio de
Janeiro (Pollution of marine
 waters. Damages to the flora and
 fauna of Rio de Janeiro)

BA 33(10)36469. Deals particularly
 with conditions of the island of
 Finheiro, because it had been
 extensively studied when the waters
 there were pure & now they are
 strongly polluted. A historical survey
 is given & 6 degrees of pollution are
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ba

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Die Verteilung des gelösten
Sauerstoffs im Tsuta-See mit
Rücksicht auf die bewurzelnden und
schwebenden Pflanzen (The
distribution of dissolved oxygen in
Tsuta Lake with regard to rooted and
floating plants)

BA 33(10)36476.

F

Starr, T.J. & 59-8456
F. Sanders (1959)
Tex.Rep.Biol.Med., 17(1):49-59
Some ecological aspects of vitamin B₁₂-
active substances

BA 33(10)36484. Part of the vitamin
B₁₂ cycle in the marine environment is
reviewed. The importance of this
family of compounds for the growth of
many marine algae has been emphasized.

:ba

M

Taniguti, M. (1958) 59-8457
Acta phytotax., Kyoto, 17(6):176-7
(The community of marine algae in
Moroyose and Kasumi Bays, San' in
district). Ni En

BA 33(10)36487. The intertidal
zonation was studied in the spring of
1958 in these bays, which front on the
Japan Sea. An Ulva pertusa-Grateloupia
filicina community occurs in both.

:ba

M

Béla, E. & 59-8458
L. Ferenc (1957)
Ann.Inst.biol.Tihany, 24:87-91
Vízi élettevékenységek tükröződése a
Balaton jegében (Reflection of
underwater life in the ice of Lake
Balaton). Pé En

BA 33(10)36490.

F

Dinsmore, L.N. (1958) 59-8459
Dissert.Abstr., 19(6):1479-80
Ecological studies of twelve strip
mine ponds in Clarion County,
Pennsylvania

BA 33(10)36491.

F

Gaufin, A.R. (1958) 59-8460
Ohio J.Sci., 58(4):197-208
The effects of pollution on a
midwestern stream

BA 33(10)36492.

F

Gauvin, A.R. (1959) 59-8461
Iowa St.Coll.J.Sci., 33(3):395-419
Production of bottom fauna in the
Provo River, Utah

BA 33(10)36493. This typical mountain
stream of the Intermountain Region was
studied between Sept. 15, 1946 & May
30, 1949 with particular reference to
ecological factors as correlated with
the rich productivity of invertebrate
animals.

:ba

F

Kajak, Z. (1950) 59-8464
Bull.Acad.polon.Sci., (Biol.), 6(11-12):
489-93

Character of the numerical dynamics
of benthic Tendipedidae in shallow
parts of an old branch cut off from
the River Vistula

BA 33(10)36500. The floods during
which the pool gains connection with
the river result in a sharp rise in
the quantity of animals. No
correlations of the number of
animals with season or temperature
were found.

:ba

F

Hortobágyi, T. (1958) 59-8462
Acta agron.hung., 8(1-2):103-21
Zusammenhänge zwischen der
Fischfleischerzeugung und den Algen
der Fischteiche (Connections
between the algae of the fish-ponds
and the production of fish-meat).
En Ru

BA 33(10)36494.

F

F

Kajak, Z. (1958) 59-8563
Bull.Acad.polon.Sci.(Biol.), 6(9):361-5
On the numerical dynamics of Tendipes
plumosus L. and Pelopia kraatzi Kieff.
in a River Vistula pool

BA 33(10)36499. A 4-year investigation.

:ba

F

Sebestyén, G. (1957) 59-8466
Ann.Inst.biol.Tihany, 24:165-81
Parti tanulmány (Study on organic
sediment in the erosion-littoral of
Lake Balaton). En

BA 33(10)36507. A continuation of
former studies published by the
author & coworkers, on detritus, on
littoral & mud-living Gladocera & on
2 forms of therotifera Collotheca.

:ba

F

Anonymous (1958) 59-8467
Mem.Coll.Agric.Kyoto (Fish.Ser.), 1958:
3-22

List of publications from the
Department of Fisheries, Faculty of
Agriculture, Kyoto University during
the period 1947-1957

BA 33(10)36527. Lists the published
contributions (316) of the members of
the staff in the field of fishery
science & technology.

ba

F

Grodhaus, G. & 59-3470
B. Keh (1958)

J.Parasit., 44(6):633-8
The marine, dermatitis-producing
cercaria of Austrobilharzia
variglandis in California (Trematoda:
Schistosomatidae)

BA 33(10)39283. Reported from
California for the 1st time & is
implicated as a cause of schistosome
dermatitis in San Francisco Bay.
Observations on behaviour &
morphology, incl. critical
measurements.

ba

M

Ching, H.L. & 59-8468
E.S. Robinson (1959)
J.Parasit., 45(2):181
Two campulid trematodes from a new
host, the harbor porpoise

BA 33(10)39281. Hadwenius nipponicus
Yamaguti, 1950 & Campula oblonga
Cobbold, 1858 are recorded from
Phocaena vomerina (Gill) 1865 from
Friday Harbor, Washington, U.S.A.

ba

I

Singh, K.S. & 59-8471
R.M. Lewert (1959)
J.infect.Dis., 104(2):138-41
Observations on the formation and
chemical nature of metacercarial
cysts of Notocotylus urbanensis

BA 33(10)39303. The formation of the
metacercarial cyst from 2 types of
secretory granules is described.

ba

M

Griffiths, H.J. (1959) 59-8469
J.Parasit., 45(2):146
Stagnicola (Hinckleyia) caperata (Say),
a natural intermediate host for
Pasciolooides magna (Bassi, 1875), in
Minnesota

BA 33(10)39282. A natural intermediate
host in northern Minnesota.

ba

F

Koga, S. (1958) 59-8472
Bull.Fac.Fish.Nagasaki Univ., (6)
85-91
(On the stomach contents of tuna
in the West Indian Ocean).
Ni En

ba

I

Sogandares-Bernal, F. (1959) 59-8473
J.Parasit., 45(2):148-50
Cleptodiscus kyphosi, a new trematode
(Paramphistomatidae) in Kyphosus
sectatrix (Linn.) from Bimini, B.W.I.

BA 33(10)39305. The genus Neocladorchis
Bhalerao, 1937, is considered distinct
from Cleptodiscus Linton, 1910.

:ba

M

Velasquez, C.C. (1959) 59-8476
J.Parasit., 45(2):135-47
Studies on the family Bucephalidae
Poche, 1907 (Trematoda) from
Philippine food fishes

BA 33(10)39310. 12 new spp. in 6
genera are described. A new fish host,
Starus berda (Forskäl) & locality
record is given for Proisorhynchus
crucibulus (Rudolphi, 1819) Cdhner,
1905.

:ba

M

Sroufe, S.A., Jr. (1958) 59-8474
J.Parasit., 44(6):643-6
Mazocraeoides olentangiensis, n.sp., a
monogenetic trematode parasitic on the
gills of the gizzard shad, Dorosoma
cepedianum (le Sueur)

BA 33(10)39307. The taxonomy of the
genus Mazocraeoides is discussed
briefly.

:ba

MF

Lytle, C.F. (1958) 59-8477
Proc.Ind.Acad.Sci., 67:304-8
The records of freshwater medusae
in Indiana

BA 33(10)39321. The medusae were
observed most commonly in artificial
habitats, as limestone quarries,
gravel pits, & artificial lakes.

:ba

F

Thatcher, V.B. & 59-8475
A.K. Sparks (1958)
J.Parasit., 44(6):647-8
A new species of Dicrogaster
(Trematoda, Haploporidae) from Mugil
cephalus in the Gulf of Mexico

BA 33(10)39308. D. fastigatus is
described from Louisiana coastal
waters & compared with the other 2
known spp. in the genus, from
European waters.

.ba

MF

Packard, C.E. (1958) 59-8478
Virginia J.Sci., 9(2):247-52
Report on a gastrotrichan species
from Ashland, Virginia

BA 33(10)39322. 12 specimens were
isolated & identified as Chaetonotus
saccinctus Voigt, from a lily pool
Randolph-Macon college.

:ba

F

Turner, H.J., Jr. & 59-8479
 J.E. Hawks (1959)
Nautilus, 72(4):109-11
 Infestation of Pecten irradians by
Polydora

BA 33(10)39326. The 2nd record of
 infestation of bay scallop by the
 polychaete P. ciliata is reported with
 discussion of its possible economic
 significance.

:ba

M

Reddiah, K. & 59-8482
 D.I. Williamson (1959)
Ann.Mag.nat.Hist., 1(11):689-701
 On Modiolicola inermis (Canu) and
Modiolicola maxima (Thompson),
 lichomolgid copepods associated with
 pectinid lamellibranchs

BA 33(10)39331. M. inermis is found
 associated with Chlamys opercularis &
M. maxima with Pecten maximus; both
 copepods appear to be host specific.

:ba

M

Barnard, K.H. (1959) 59-8480
Ann.Mag.nat.Hist., 1(11):715-20
 New and little-known South African
 marine isopods (Crustacea)

BA 33(10)39327. Description of Cirrolana
transcastata & Cymodocella diateichos
 with descriptive notes Exanthura
filiformis, Gnatholana mandibularis, &
Arcturina triangularis.

:ba

M

Westervelt, C.A., Jr. & 59-8483
 E.N. Kozloff (1959)
Amer.Midl.Nat., 61(1):239-44
Entocythere neglecta sp. nov., a
 cytherid ostracod commensal on
Pacifastacus nigrescens (Stimpson)

BA 33(10)39333. Taken from museum
 specimens, collected at San Francisco,
 California, is described.

:ba

F

Lemos de Castro, A. (1958) 59-8481
Amer.Mus.Novit., 1908.1-10
 On the systematic position of some
 American species of Philoscia Latreille
 (Isopoda, Oniscoidea)

BA 33(10)39329. Supplemental
 descriptions are given of the 3
 American spp. of "Philoscia complex"
 based on specimens in the collections
 of the American Museum of Natural
 History & of the United States
 National Museum.

:ba

M

Abbott, R.T. (1959) 59-8484
Indo-Pacif.Mollusca, 1(1):20-32
 The family Vasidae in the Indo-Pacific

BA 33(10)39473. Descriptions &
 synonymy are given, with notes on
 habitat & range, measurements &
 locality records. There are 7 spp. of
Vasum; 5 of Tudicula, & 1 of Tudicla.
 Color photographs.

:ba

M

Bright, D.B. (1958) 59-8485
Bull.S.Calif.Acad.Sci., 57(3):127-39
Morphology of the common mudflat
snail, Cerithidea californica

BA 33(10)39476. Gross morphology &
histological description of the
digestive system. Features of the
shell & visceral spiral are also
discussed.

:ba

F

Bailey, R.M. (1959) 59-8488
Occ.Pap.Mus.Zool Univ.Mich., 599:1-19
A new catostomid fish, Moxostoma
(Thoburnia) atripinne, from the Green
River drainage, Kentucky and Tennessee

BA 33(10)39514. This is the 3rd known
sp. of Thoburnia. The relationships
of T. are discussed, & it is here
placed as a subtenus of Moxostoma.
Measurements & characters of the 3 spp.
are compared.

:ba

F

Caldwell, D.K. (1959) 59-8486
Nautilus, 72(4):117-22
Notes on the crown conch, Helongena
corona

BA 33(10)39478. Comments are given on
movements of marked individuals & on
food relations.

:ba

M

Cohen, D.M. (1958) 59-8489
Breviora, 98:1-10
Two new species of Bathylagus from
the western North Atlantic with notes
on other species

BA 33(10)39519. 2 new spp., B. compsus
& B. grevae on the basis of morphology.
B. longirostris & B. bericoides, both
known from the Atlantic, recorded
from the central Pacific.

:ba

M

Mattox, N.T. (1958) 59-8487
Bull.S.Calif.Acad.Sci., 57(2):98-104
Studies on the opisthobranchiata: II.
A new tectibranch of the genus Philine

BA 33(10)39490. Philine alba is
described from 35 fathoms off
Catalina Island, California.

:ba

M

da Franca, P. & 59-8490
M.L. Faes da Franca (1959)
Arch.Mus.Bocage, 26:127-56
Observações osteológicas em Gambusia.
Esqueleto axial (Osteological
observations on Gambusia. Axial
skeleton)

BA 33(10)39520. Detailed examinations
on specimens taken from tanks in the
Botanical Garden of Lisbon & from
rice fields in Aguas de Moura.
Morphology of the vertebral column
& ribs, with statistical analysis of
variations. This form which has
become acclimatized in Portugal,
belongs to G. affinis holbrooki.

:ba

F

Hilton, W.A. (1958) 59-8491
Bull.S.Calif.Acad.Sci., 57(1):1-4
The brain chorioid plexuses of ganoids
and teleosts

BA 33(10)39524. Folds on the inner
sides of the roof of the 4th ventricle
of Amia & Lepidosteus resembled those
of elasmobranchs.

:ba

MF

Matsubara, K. & 59-8492
T. Iwai (1958)
Jem.Coll.Agric.Kyoto (Fish.Ser.),
sp. no. 1958:23-54
Anatomy and relationships of the
Japanese fishes of the family
Gempylidae

BA 33(10)39529. Morphological study of
the 9 Japanese genera & kindred
scombrids based upon considerations of:
lateral line & scales, jaws,
suspensorium & opercular apparatus,
cranium, girdles, caudal skeleton,
vertebral number, & alimentary organs.

:ba

M

Ostdiek, J.L. & 59-8493
R.M. Nardone (1959)
Amer.Midl.Nat., 61(1):218-29
Studies on the Alaskan blackfish,
Dallia pectoralis - I. Habitat, size
and stomach analyses

BA 33(10)39532.

F

Paes da Franca, M.L. & 59-8494
P. da Franca (1959)
Arch.Mus.Bocage, 25:39-87
Contribução para o conhecimento da
biologia de Gambusia holbrooki
(Girard) aclimatada em Portugal
(População de Aguas de Moura)
(Contribution to the knowledge of the
biology of Gambusia holbrooki Girard
acclimatized in Portugal (Population
of Aguas de Moura)

BA 33(10)39533. Data are given for
frequency distribution of total
lengths, of age classes, the sex
ratio, signs of gestation, sexual

59-8494
(Card 2)
maturation of the females, &
correlation between weight & total
length.

:ba

F

Robins, C.R. (1959) 59-8496
Breviora, 104:1-7
Studies on fishes of the family
Ophidiidae - III. A new species of
Lepophidium from Barbados

BA 33(10)39535. L. kallion from 200
fathoms is described in detail. A
comparison with L. marmoratum (Goode
& Bean), its closest relative, is
provided.

:ba

M

U.S. Public Health Service (1957) 59-8497
Publ.Hlth Serv.Publ., Wash., (553):7 p.
A comprehensive water pollution control program for the Meramec River Basin

F

Ghana. Fisheries Department (1957) 59-8500
Accra, Govt Printer
Report 1951/52 - 1954/55

MF

Alexander, G.E. & G.G. Eichholz (1958) 59-8498
Res.Rep.Can.Dep.Mines, (R 15):8 p.
A radioactive dial marker for the Decca navigational aid

M

IWC (1957) 59-8501
Washington, U.S.Govt Print.Off., 2 p.
Whaling. Amendments to the schedule to the international whaling convention signed at Washington on December 2, 1946, adopted at the ninth meeting of the International Whaling Commission, London, June 24-28, 1957

M

Chew, F. & L.P. Wagner (1958) 59-8499
Miami Florida, 55 p.
A technical report of investigation for the period of June 25, 1956 to May 7, 1957; submitted September 1958 to the Office of Naval Research, Contract Nonr 840(01)

M

Oren, O.H. (1957) 59-8502
Tel-Aviv, Israel
Physical and chemical characteristics of Lake Tiberias

F

Rosen, A. et al. (1958) 59-8503
Miami, Florida, 65 p.
Summary of Florida commercial marine
fish landings for 1957

M

Sindermann, C.J. (1957) 59-8506
Res.Bull., Maine, (29):20 p.
Diseases of fishes of the western
North Atlantic - VI. Geographic
discontinuity of myxosporidiosis in
immature herring from the Gulf of
Maine

M

Brown, C.J.D. & 59-8504
N. Thoreson (1958)
Bull.Mont.agric.Exp.Sta., (544):26 p.
Ranch fish ponds

F

Kempf, E.J. (1958) 59-8507
Ann.N.Y.Acad.Sci., 73(4):869-909
Basic biodynamics

G

Hamano, S. (1957) 59-8505
Mem.Fac.Fish.Hokkaido Univ., 5(2):89-143
Physico-chemical studies on the
activation and fertilization of fish
eggs

L

Mason, B. (1958) 59-8508
New York, Wiley, 310 p.
Principles of geochemistry (2nd ed.)

G

U.S. Congress. House. 59-8509
 Committee on Interstate &
 Foreign Commerce (1958)..
Wash., Govt.Print.Off., 182 p.
 International Geophysical Year. The
 Arctic, Antarctica

M

Ricci, E. (1957) 59-8512
Ann.Sta.océanogr.Salambô, (11):163 p.
 Contribution à la biometrie, à la
 biologie et la physico-chimie de la
 moule commune (Mytilus galloprovin-
cialis Lmk) (Contribution to the

M

Koga, S. (1958) 59-8510
Bull.Fac.Fish.Nagasaki Univ., (6):92-6
 (Size composition of the albacore,
 big-eyed tuna and yellowfin tuna
 caught in the West Indian Ocean).
Ni En

lw

M

Inman, D.L. (1958) 59-8513
Tech.Memor.U.S.Army Eros.Bd, (100):
 7 p.
 Wave-generated ripples in nearshore
 sands

M

U.S. Treaties, etc. (1958) 59-8511
Wash., U.S.Govt Print.Off., 59 p.
 North Pacific fur seals. Interim
 convention between the United States of
 America, Canada, Japan, and the Union
 of Soviet Socialist Republics signed
 at Washington February 9, 1957

M

Frantz, D.H., Jr., D.D. 59-8514
 Ketchum & R.G. Walden (1958)
Woods Hole, Mass.,
 A radio telemetering system for
 oceanography

M

Enokida, S. (1958) 59-8515
Tuna Fish., 50:19-21
A study on the distribution sea areas
of yellowfin and bigeye tunas, which
have different ovary maturity

M

Miura City. Investigative 59-8518
Society of Tuna Fishery (1958)
Miura City, 135 p.
Results of landings survey on the
tuna, April 1955-March 1956

M

Fukushima Prefecture 59-8516
Fisheries Experiment . . .
Laboratory (1958)
Fukushima Prefecture, Japan, 18 p.
Report of investigation of tuna long-
line fishing, 7th voyage of the
IWAKI-MARU

M

Locher, F.W. (1958) 59-8519
Rep.Swed.Deep-Sea Exped., 7(4):185-208
Sedimentpetrografische Untersuchung
der Lotkerne 255 und 257
(Sediment petrographical
investigations of the sediment cores
255 and 257)

lw

M

Ikeda, Y. (1958) 59-8517
Tuna Fish., 50:23
Introduction of new fishing equipment,
a luminous bait

M

Locher, F.W. (1958) 59-8520
Rep.Swed.Deep-Sea Exped., 7(5):209-25
Ein Beitrag zum Problem der
Tiefseesande im westlichen Teil
des äquatorialen Atlantiks
(A contribution to the problem of
bottom sand in the western part of
the equatorial Atlantic Ocean)

lw

M

Nikolskii, G. (1959) 59-8521
Rapp.Cons.Explor.Mer, 148:6
Chairman's introduction

Short review of "Symposium on Salmon & Sea Trout" as introduction to contributed papers (59-8522 to 59-8541)
Gives recommendations of a working group which were accepted by ICES Salmon & Trout Committee, with special reference to tagging problems, & the conservation of Baltic salmon stocks.

FiB:sjh

MF

Rudakov, N.P. (1959) 59-8524
Rapp.Cons.Explor.Mer, 148:11-6
The use of radioactive calcium (Ca^{45}) for marking young salmon

Printed version of 585602.

FiB:

MF

Lindroth, A. (1959) 59-8522
Rapp.Cons.Explor.Mer, 148:7
Short report on internal tagging of salmon parr

Printed version of 585599.

FiB:

MF

Shearer, W.M. (1959) 59-8525
Rapp.Cons.Explor.Mer, 148:17-8
Some notes on the efficiency of two types of tag used for tagging sea-trout kelts in the River Dee, Aberdeenshire

Printed version of 585596.

FiB:

MF

Mills, D.H. (1959) 59-8523
Rapp.Cons.Explor.Mer, 148:8-10
Salmon smolt tagging experiments at Invergarry salmon hatchery

Printed version of 585597.

FiB:

MF

Dahl, J. (1959) 59-8526
Rapp.Cons.Explor.Mer, 148:19-22
A review of the efficiency of the types of tags used in Denmark for salmon and sea trout, as shown by the recaptures

Printed version of 585610.

FiB:

MF

Swain, A. (1959) 59-8527
Rapp.Cons.Explor.Mer, 148:23-5
The efficiency of various types of tags

Printed version of 585604.

FiB: MF

Montén, B. (1959) 59-8530
Rapp.Cons.Explor.Mer, 148:40-1
The amplitude of the smolt production
of the Swedish State Power Board

Printed version of 585612.

FiB: MF

Larsen, K. (1959) 59-8528
Rapp.Cons.Explor.Mer, 148:26-8
The effect of the liberation of sea-
trout fry in the Gudenå Area, as shown
by the trout catch in the Lower River
and the Randers Fjord

Printed version of 585611.

FiB: MF

Koshin, N.I. & 59-8531
A.A. Protasov (1959)
Rapp.Cons.Explor.Mer, 148:42-4
Freshwater species of salmon and their
significance in the origin of the
Salmonidae and practical fish culture

Printed version of 585609.

FiB: MF

Evropeizeva, N.W. (1959) 59-8529
Rapp.Cons.Explor.Mer, 148:29-39
Experimental analysis of the young
salmon (Salmo salar L.) in the stage
of transition to life in the sea

Printed version of 585603.

FiB: MF

Lagunov, I.I. & 59-8532
V.V. Azbelev (1959)
Rapp.Cons.Explor.Mer, 148:45-7
On the efficiency of natural
propagation in Atlantic salmon (Salmo
salar L.)

Printed version of 585606.

FiB: MF

Ivlev, V.S. & 59-8533
G.G. Galkin (1959)
Rapp.Cons.Explor.Mer, 148:48-52
Survival and growth of Baltic salmon
of different ages in natural
conditions

Printed version of 585601.

FiB: MF

Vladimirskaia, M.I. (1959) 59-8534
Rapp.Cons.Explor.Mer, 148:53-7
Young salmon in the upper part of the
River Petchora

Printed version of 585607.

FiB: MF

Zarnecki, St. (1959) 59-8535
Rapp.Cons.Explor.Mer, 148:58-9
Considerations relating to restocking
with salmon and sea trout

Lists & discusses situations in which
artificial introduction of young
fish may be useful; problems of
disturbed spawning.

FiB: MF

Carlin, B. (1959) 59-8536
Rapp.Cons.Explor.Mer, 148:60-2
Salmon conservation in the Baltic

Printed version of 585598.

FiB: MF

Lindroth, A. (1959) 59-8537
Rapp.Cons.Explor.Mer, 148:63-5
Co-operation in research and
management of Baltic salmon

Printed version of 585600.

FiB: MF

Nikolskii, G.V. & 59-8538
N.I. Koshin (1959)
Rapp.Cons.Explor.Mer, 148:66-8
Some peculiarities of salmon biology
which are important in their
reproduction

Printed version of 585608.

FiB: MF

Elson, P.F. (1959) 59-8539
Rapp.Cons.Explor.Mer, 148:69-71
Developing effective use of hatchery-
reared Atlantic salmon (Salmo salar)
in Canada

Principles of planting; basic
techniques; dispersal, survival &
general establishment of planted fish;
control of predators; evaluation of
planted stock.

FiB:sjh

MF

Lippmann, F. (1958) 59-8542
Rep.Swed.Deep-Sea Exped., 10(3):39-42
X-ray determination of phillipsite
in a sediment core from the central
equatorial Pacific

lw

M

Lishev, M.N. (1959) 59-8540
Rapp.Cons.Explor.Mer, 148:72-5
Some peculiarities of the population
dynamics of the salmon stock of the
eastern Baltic

Printed version of 585605.

FiB:

MF

Kazihara, T. (1958) 59-8543
Bull.Fac.Fish.Nagasaki Univ., (6):50-4
(On the process of development of
coastal fishing village - II. An
example of the purse seine fishery in
Tachi-Ura). Ni

lw

M

Ryhänen, R. (1959) 59-8541
Rapp.Cons.Explor.Mer, 148:76-80
Summary of observations on trout in
the Isojoki (Finland)

Printed version of 585595.

FiB:

MF

Kazihara, T., S. Iizuka 59-8544
& M. Tanaka (1958)
Bull.Fac.Fish.Nagasaki Univ., (6):
113-20

(Studies on the catch by Masuami - I.
Oceanographic conditions of the
fishing ground, net construction and
the species in the catch). Ni

lw

M

Bourcart, J. (1959) 59-8545
C.R.Acad.Sci., Paris, 249:1380-2
 Le plateau continental de la
 Méditerranée occidentale (The
 continental shelf of the western
 Mediterranean)

Essay on its structure & geological
 origin; geographic & topographical
 comparisons.

FAC:sjh

M

Chaigneau, J. (1959) 59-8548
C.R.Acad.Sci., Paris, 249:1403-5
 Influence des facteurs externes sur
 l'éclosion des oeufs de Lepidurus
apus (Leach), (Crustacé phyllopo-
 de). Détermination de l'optimum thermique
 (Influence of external factors on the
 hatching of eggs of Lepidurus apus
 (Leach), phyllopod crustacean.
 Determination of the thermic optimum)

Effects of temperature &
 dessiccation.

FAC:sjh

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Jönsson, S. & 59-8546
 S. Puiseux-Dao (1959)
C.R.Acad.Sci., Paris, 249:1383-5
 Observations morphologiques et
 caryologiques relatives à la
 reproduction chez le Siphonocladus
pusillus, (Kütz.) Hauck, Siphonoclada-
 cées, en culture (Morphological
 & caryological observations relating
 to reproduction of Siphonocladus
pusillus (Kütz.) Hauck, Siphonocladaceae,
 in culture)

A sexual reproduction by biflagellate
 zoospores observed at Villefranche.

FAC:sjh

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Amoureux, L. (1959) 59-8549
C.R.Acad.Sci., Paris, 249:1406-8
 Quelques enclaves d'eau douce en
 plein milieu marin (Some fresh-
 water enclaves in the marine
 environment)

Describes special hydrographic
 conditions SE of the Aber, & the
 differences in fauna zonation with
 reference to Cardium, Arenicola,
Nereis & other benthos.

FAC:sjh

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Lejuez, R. (1959) 59-8547
C.R.Acad.Sci., Paris, 249:1389-91
 Premières recherches sur l'hybridation
 interspécifique à l'intérieur du genre
Sphaeroma (First studies of
 interspecific hybridization within the
 genus Sphaeroma)

Characteristics of hybrids of S.
hookeri & S. monidi of French coasts.

FAC:sjh

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Delosme, R., P. Joliot 59-8550
 & J. Lavorel (1959)
C.R.Acad.Sci., Paris, 249:1409-11
 Sur le complémentarité de la
 fluorescence et de l'émission
 d'oxygène pendant la période
 d'induction de la photosynthèse
 (On the complementary nature of
 fluorescence and oxygen emission
 during the photosynthesis induction
 period)

Experiments with Chlorella.

FAC:sjh

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Lund, J.W.G. (1959) 59-8551
Brit.phycol.Bull., (7):1-17
Buoyancy in relation to the ecology
of the freshwater phytoplankton

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Godward, M.B.E. (1959) 59-8554
Brit.phycol.Bull., (7):43-6
Chromosome numbers in the algae - II.
Chlorophyta (1)

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Bursa, A. (1958) 59-8552
J.Protozool., 5:299-304
Freshwater dinoflagellate Wolcazynskia
limnetica n.sp. membrane and proto-
plasmic structures

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Swale, E.M.F. (1959) 59-8555
Brit.phycol.Bull., (7):71-2
Some uncommon Chlorophyceae from the
River Lee

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Norway. 59-8553
Fiskeridirektøren (1957)
Aarsberetn.Norg.Fisk., (8):28 p.
Fiskeri-undervisningen 1956-57
Fisheries education 1956-57)

Annual reports from different
fisheries schools of the State.

FAC +tl

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Belcher, J.H. (1959) 59-8556
Brit.phycol.Bull., (7):73-4
Some uncommon Chlorophyceae from the
Lee Valley

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Smirnov, N.N. (1959) 59-8557
Trud.moskovsk tekhnich.Inst.rybnoi
prom.Khoz., 10:62-74
(Variations in chemical composition of
Protococcales under the influence of
chemical regime of the environment).
Ru

Belcher, J.H. & 59-8560
G.E. Fogg (1959)
Brit.phycol.Bull., (7):22-5
Pigments from the bottom deposits of
Lsthwaite

Abstr. only.

Talling, J.F. (1959) 59-8558
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The depth of algal photosynthesis in
natural waters

Abstr. only.

Evans, J.H. (1959) 59-8561
Brit.phycol.Bull., (7):25-6
The microstratification of algae in
the litter and mud of pond margins;
with some observations on the
accumulation of fat by diatoms during
exposure to drought

Abstr. only.

Miller, J.D.A. (1959) 59-8559
Brit.phycol.Bull., (7):22
An extracellular enzyme produced by
Monodus

Abstr. only.

Kiss, I. (1959) 59-8562
Acta Biol.hung., 9:317-42
Synoptische meteorol biologische
Analyse der Massenproduktion einiger
pflanzlichen Mikroorganismen
(Synoptic meteorobiological analysis
of mass production in some micro-
organisms of plants)

Canter, H.M. (1959) 59-8563
Trans.Brit.mycol.Soc., 42:185-92
 Fungal parasites of the phytoplankton.
 IV. Rhizophidium contractophilum sp.
 nov.

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Wallén, G.H. (1958) 59-8566
 Thesis, Oklahoma St. Univ.
 Fishes of the Verdigris River in
 Oklahoma

Systematics, distribution.

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Warburton, B.T. (1958) 59-8564
 Thesis, Univ. of Texas, 74 p.
 Selection studies on artificial
 populations of Gambusia

Systematics, distribution.

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Kojima, Y. (1958) 59-8567
Bull.Mar.biol.Sta.Asamushi, 9(1):35-7
 On the breeding of a periwinkle,
Littorivaga atkana (Dall)

lw

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Bakshi, T.S. (1959) 59-8565
Plant Sci.Bull., 5(1) 1-4
 A plea for a wider usage of scientific
 plant names

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Smirnov, N.N. (1959) 59-8568
Trud.moskovsk.tekhnich.Inst.rybnoi
prom.Khoz., 10:75-87
 (Role of higher plants as food of
 animal population of bogs and fens).
Ku

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Bull.Acad.Sci.U.R.S.S.(Géogr.), 455
Morskaia mikrobiologiya (glubokovodnaia)
(Marine microbiology)

Shaposhnikov, V.N., E.N. 59-8572
Kondrat'eva & V.D. Fedorov (1958)
Microbiol., Moscow (En Transl.), 27:
521-7

A contribution to the study of green
sulfur bacteria of the genus
Chlorobium

En transl. of 59-8571.

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J.biol.Chem., 232:829-34
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(Nitrogen metabolism of Nitrosomonas
europaea). Ru

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Microbiol., Moscow, 27:529-35
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sulfur bacteria of the genus
Chlorobium). Ru

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europaea

En transl. of 59-8573.

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 (On the inducer of the second phase of
 nitrification - II. The effect of
 heavy metals on nitrification). Ru

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Microbiol., Moscow (En Transl.), 27:
538-45
 On chemosynthesis in hydrogen
 bacteria

En transl. of 59-8577.

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Zavarzin, G.A. (1958) 59-8576
Microbiol., Moscow (En Transl.), 27:533-7
 On the inducer of the second phase of
 nitrification - II. The effect of heavy
 metals on nitrification

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J.exp.Biol., 35(2):369-82
 The co-ordination of the responses
 of Cerianthus (Coelenterata)

lw

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Beliaeva, M.I. (1958) 59-8577
Mikrobiol., Moscow, 27:547-55
 (On chemosynthesis in hydrogen
 bacteria). Ru

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Ishizaka, S. (1958) 59-8580
J.exp.Biol., 35(2):396-9
 Surface characters of living cells
 I. Stationary surface rings

lw

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Mikrobiol., Moscow, 27:626-33
(A study of oil decomposition by
microorganisms under anaerobic
conditions). Ru

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Microbiol., Moscow (En Transl.), 27:
621-7
Rate of development of bacterial flora
on the littoral of Lake Baikal
(according to overgrowth slide data)
En transl. of 59-8583.

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Ekzertsev, V.A. (1958) 59-8582
Microbiol., Moscow, (En Transl.), 27:
614-20
A study of oil decomposition by
microorganisms under anaerobic
conditions

En transl. of 59-8581.

MF

Sherstoboev, K.N. (1958) 59-8585
Mikrobiol., Moscow, 27:641-5
(A new species of Bacillus forming
mobile colonies - Bacillus
coloniomobile). Ru

F

Romanova, A.P. (1958) 59-8583
Mikrobiol., Moscow, 27:634-40
(Rate of development of bacterial flora
on the littoral of Lake Baikal
(according to overgrowth slide data)).
Ru

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Sherstoboev, K.N. (1958) 59-8586
Microbiol., Moscow (En Transl.), 27:
628-31
A new species of Bacillus forming
mobile colonies - Bacillus
coloniomobile

En transl. of 59-8585.

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Brandhorst, W. (1959) 59-8587
J.Cons.int.Explor.Mer, 25(1):3-20
Nitrification and denitrification in
the eastern tropical North Pacific

Discusses data from SCOPE Expedition
(7-11/17-2-56) & ISLAND CURRENT
survey 8-5/12-6-57. Over large areas
considerable amounts of nitrite occur
in the thermocline layer, due to
nitrification processes associated
with the remineralization of sinking
planktonic material. Depletion of
oxygen is found below the thermocline,
caused by the decomposition of organic
matter.

FiB:sjh

M

Colton, J.B., Jr. (1959) 59-8590
J.Cons.int.Explor.Mer, 25(1):29-35
The multiplane kite-otter as a
depressor for high-speed plankton
samplers

Ill. description of apparatus, its
calibration, operation & results
of trials.

FiB:sjh

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Longhurst, A.R. (1959) 59-8588
J.Cons.int.Explor.Mer, 25(1):21-8
Benthos densities off tropical
West Africa

Survey of continental shelf between
Gambia & Sulima Rivers. Relationship
between density of fauna - in terms
of biomass & numbers of spp. &
individuals per unit area - &
biological & physical factors in the
environment. Fauna is most dense in
shallow water, on deposits of moderate
silt content, & in faunas transitional
between Venus & Amphioplus communities.
More dense off Gambia R. than off

Bé, A.W.H., M. Ewing 59-8591
& L.W. Linton (1959)
J.Cons.int.Explor.Mer, 25(1):36-46
A quantitative multiple opening-and-
closing plankton sampler for vertical
towing

Ill. description of apparatus & its
method of operation.

FiB sjh

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59-8588
(Card 2)
Sierra Leone, & is more dense in
Sierra Leone estuaries than on adjacent
open shelf.

FiB:arl

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Gulland, J.A. & 59-8592
S.J. Holt (1959)
J.Cons.int.Explor.Mer, 25(1):47-9
Estimation of growth parameters for
data at unequal time intervals

Theory of method of determining
coefficients of von Bertalanffy
equation from data of tagging
experiments etc., with a table to
aid computation.

FiB sjh

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Cohen, D.M. (1959) 59-8593
J.Cons.int.Explor.Mer, 25(1):50-2
 The scientific name of the common
 cod

Reviews literature & concludes name
 should be Gadus morhua Linnaeus 1758.

FiB:sjh

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Baxter, I.G. (1959) 59-8596
J.Cons.int.Explor.Mer, 25(1):73-80
 Fecundities of winter-spring and
 summer-autumn herring spawners

Comparisons of relation between
 fecundity & fish size & egg size in
 different N.Sea stocks of Clupea
harengus.

FiB:sjh

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Beverton, R.J.H., J.A. 59-8594
 Gulland & A.R. Margetts (1959)
J.Cons.int.Explor.Mer, 25(1):53-7
 Whiting tagging: how the tag return
 rate is affected by the condition of
 fish when tagged

Describes method of classifying
 condition at time of tagging, &
 influence of condition on returns
 from an experiment in Irish Sea,
 Nov.-Dec., 1957, is analysed. Extent
 of damage to scales affected returns.
 Use of such a classification enhances
 value of experimental data.

FiB:sjh

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Parrish, B.B. & 59-8597
 D.P. Sharman (1959)
J.Cons.int.Explor.Mer, 25(1):81-92
 Otolith types amongst summer-autumn
 spawning herring in the northern
 North Sea

Comparative studies of Clupea harengus
 1953-57 to distinguish stocks.
 Relation of growth zone measurements
 in scales & otoliths.

FiB:sjh

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Jones, R. (1959) 59-8595
J.Cons.int.Explor.Mer, 25(1):58-72
 A method of analysis of some tagged
 haddock returns

Development & application of
 diffusion theory with non random
 component, to experiment with
Melanogrammus aeglefinus off Scottish
 east coast 1956-57. Incl. extension of
 study by Skellam (Biometrika, 38.196-
 218, 1951) & 581530.

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Taylor, C.C. (1959) 59-8598
J.Cons.int.Explor.Mer, 25(1):93-101
 Temperature and growth - The Pacific
 razor clam

Study of relations between von
 Bertalanffy parameters K & E in
Siliqua patula populations to air
 temperature from Alaska to California.
 Data also given for Leucichthys,
Cardium, Gadus morhua, Melanogrammus,
Micropterus, Esox, Coregonus &
Stizostedion spp.

FiB:sjh

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Marshall, N.B. (1959) 59-8599
J.Cons.int.Explor.Mer, 25(1):102-3
Marine ecology.

Critical review of 59-2032.

Osnitskaia, L.K. (1958) 59-8602
Mikrobiol., Moscow, 27:665-72
(Utilization of organic compounds by
a photosynthetic purple sulfur
bacterium from Beloe Lake). Ru

FiB:

Dubach, H.W. (1958) 59-8600
J.Cons.int.Explor.Mer, 25(1):104-5
Fishing atlas of the North Sea

Critical review of 580520.

Osnitskaia, L.K. (1958) 59-8603
Microbiol., Moscow (En Transl.), 27:
653-9

Utilization of organic compounds by a
photosynthetic purple sulfur
bacterium from Beloe Lake

En transl. of 59-8602.

FiB:

Mackereth, F.J.H. (1959) 59-8601
J.Cons.int.Explor.Mer, 25(1):105-7
Apparatus and methods of oceanography.
Part I. Chemical

Critical review of 59-6759.

Zavarzin, G.A. (1958) 59-8604
Mikrobiol., Moscow, 27:679-87
(The inducer of the second phase of
nitrification - III. Morphology of
the inducer of the second phase of
nitrification). Ru

FiB:

Zavarzin, G.A. (1958) 59-8605
Microbiol., Moscow (En Transl.), 27:
666-72

The inducer of the second phase of
nitrification - III. Morphology of the
inducer of the second phase of
nitrification

En transl. of 59-8604.

G

Rudnick, D. (Ed.) (1959) 59-8608
New York, Ronald Press Co., 352 p.
Cell, organism, and milieu

A series of papers concerning widely
different objects of research,
approaches & techniques. The cells
under discussion range in origin from
fresh-water hydra to insects, plants
& mammals. Incl. reviews & studies
of tissue differentiation as
affected by the biochemical
environment; muscle cell models;
tissue response to hormonal milieu;
growth factors operating on plant
tissues; & growth & differentiation in

Rudnick, D. (Ed.) (1959) 59-8606
New York, Ronald Press Co., 213 p.
Developmental cytology

Contributions focused on under-
standing of cellular structure &
function, especially as pertaining
to differentiation processes & their
genetic control. The cells under
discussion range from protozoa to
vertebrates. The alterations of
chromosomes & other cell organelles
form the theme of several reports.
New techniques in light & electron
microscopy, cell culture, biochemical
cytology, & immunology are also covered.

:sjh

G

59-8608
(Card 2)

whole organisms in relation to
chemical alterations in their
environment.

:sjh

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Lafon, M. (1958) 59-8607
Arch. Zool. exp. gén., 95(2):79-98
Contribution à l'étude des cycles
métaboliques chez Talitrus saltator L.
(Contribution to the study of
metabolic cycles in Talitrus saltator
L.)

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Razumovskaia, Z.G. & 59-8610
I.V. Osipova (1958)

Mikrobiol., Moscow, 27:727-32
(The ratio between live and dead
bacteria in a multiplying culture of
Acetobacter melanogenum). Ru

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Microbiol., Moscow (En Transl.), 27:
712-6
The ratio between live and dead
bacteria in a multiplying culture of
Acetobacter melanogenum

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Proc.N.Z.ecol.Soc., 6:8-12
The sampling problem in benthic
ecology

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Shturm, L.D. (1959) 59-8612
Mikrobiol., Moscow, 27:740-52
(Studies on hydrocarbon assimilation
by microorganisms). Ru

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Proc.N.Z.ecol.Soc., 6:5-8
The distribution of stream bottom
faunas

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Shturm, L.D. (1959) 59-8613
Microbiol., Moscow (En Transl.), 27:
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Studies on hydrocarbon assimilation
by microorganisms

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Johannesson, J.K. (1959) 59-8616
Proc.N.Z.ecol.Soc., 6:39-41
Aspects of hydrology in the Hutt
Valley

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Saxby, S.H. (1959) 59-8617
Proc.N.Z.ecol.Soc., 6:1-4
Ecology: observation and deduction

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Gameson, A.L.H. & 59-8620
S.D. Griffith (1959)
Wat.Waste Treatm.J., Jan.-Feb.:4 p.
Six months' oxygen records for a
polluted stream

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Schrader, T. (1959) 59-8618
Monatsber.dtsch.Akad.Wiss.Berlin, 1(3):
188-93
Die Aufgaben der Biologie in der
Wassergutewirtschaft (Biological
problems in water quality policy)

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Krogus, F.V. (1957) 59-8621
Bull.Pacif.sci.Inst.Fish.,
Vladivostock, 45:199-201
Comments on the calculation of growth
rate of young salmon

MF

Chartier, J., F.W. Van 59-8619
Klaveren & G. Vaillancourt (1958)
J.Chromatogr., 1:317-26
Amino acid analysis by horizontal
paper chromatography
(issued as: Stud.Stas.Fish.Res.Bd Can.,
1958, 531).

G

Krogus, F.V. & 59-8622
E.M. Krokhin (1957)
Bull.Pacif.sci.Inst.Fish.,
Vladivostock, 45:201-2
The run of sockeye and the daily
temperature rhythm in the Paratunka
River

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Trans.roy.Soc.Can., 52(3):25-39
The origin and speciation of
Cncorhynchus

(issued as: Stud.Stas.Fish.Res.Bd Can.,
1958, 551).

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Annu.Rev.Biochem., 27:225-44
Biochemistry of fishes

(Issued as: Stud.Stas.Fish.Res.Bd Can.,
1958, 517).

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Atl.Adv., 48:65-8
Effects of DDT spraying in New
Brunswick on future runs of adult
salmon

(issued as: Stud.Stas.Fish.Res.Bd Can.,
1958, 525).

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Tsuyuki, H., V.M. Chang 59-8627
& D.R. Idler (1958)
Canad.J.Biochem.Physiol., 36:465-73
The acid-soluble nucleotides of
salmon liver

(issued as: Stud.Stas.Fish.Res.Bd Can.,
1958, 522).

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Hunn, J.B. (1959) 59-8625
Spec.Publ., chem.Warfare Lab., 2-22:22 p
The chemistry of fish blood - a
bibliography

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Idler, D.R. & 59-8628
H. Tsuyuki (1958)
Canad.J.Biochem.Physiol., 36:783-91
Biochemical studies on sockeye salmon
during spawning migration - I.
Physical measurements, plasma
cholesterol, and electrolyte levels

(issued as: Stud.Stas.Fish.Res.Bd Can.,
1958, 520).

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Idler, D.R. & 59-8629

I. Bitners (1958)

Canad.J.Biochem.Physiol., 36:793-8

Biochemical studies of sockeye salmon during spawning migration - II. Cholesterol, fat protein, and water in the flesh of standard fish

(issued as: Stud.Stas.Fish.Res.Bd Can., 1958, 536).

MF

MacLeod, R.A., R.E.T. 59-8632

Jonas & J.R. McBride (1958)

Canad.J.Biochem.Physiol., 36:1257-68

Variations in the sodium and potassium content of the muscle tissue of Pacific salmon with particular reference to migration

(issued as: Stud.Stas.Fish.Res.Bd Can., 1958, 547).

MF

Duncan, D.W. & 59-8630

H.L.A. Tarr (1958)

Canad.J.Biochem.Physiol., 36:799-803

Biochemical studies on sockeye salmon during spawning migration - III. Changes in the protein and non-protein fractions in muscles of migrating sockeye salmon

(issued as: Stud.Stas.Fish.Res.Bd Can., 1958, 537).

MF

Fish, G.R. (1959) 59-8633

Lab.Pract., 8:304-5

An electric shocking device as a laboratory aid to fish studies



MF

Wood, J.D. (1958) 59-8631

Canad.J.Biochem.Physiol., 36:833-8

Biochemical studies on sockeye salmon during spawning migration - IV. The non-protein nitrogenous constituents of the muscle

(issued as: Stud.Stas.Fish.Res.Bd Can., 1958, 539).

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Bol.Mus.nac.Rio de J.(Zool.), 196:1-23

Notas sobre o crescimento, o tubo digestivo e a alimentacao da gitubarana, Salminus hilarii Val., 1829 (Pisces, Characidae)

(Notes on the growth, digestive tube and food of Salminus hilarii Val., 1829, pisces, Characidae)

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Southern Rhodesia (1959) 59-8635
Salisbury, Govt Printer, 83 p.
Proceedings of the first fisheries
day in Southern Rhodesia

Contains papers 59-8636 to 59-8654.

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Maar, A. (1959) 59-8638
In 59-8635:5-7
Water usage by fish ponds

F

Wallis, H.W.H. (1959) 59-8636
In 59-8635:3
Water availability for fish production
in Southern Rhodesia

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Maar, A. (1959) 59-8639
In 59-8635:8-9
Fish fauna of Southern Rhodesia and
its zoogeographical status

F

Crass, R.S. (1959) 59-8637
In 59-8635:4
The use of cetyl alcohol to reduce
evaporation

F

Harding, D. & 59-8640
J.J. Sousley (1959)
In 59-8635:10-24
Fisheries in the Luapula Province of
Northern Rhodesia

F

Nielsen, S. (1959) 59-8641
In 59-8635:25-8
Commercial fishing on Lake Nyasa

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Maar, A. (1959) 59-8644
In 59-8635:44-5
Fisheries exploitation in public
dams

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Crass, R.S. (1959) 59-8642
In 59-8635:29-31
Tilapia in Natal

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Stewart, L.H. (1959) 59-8645
In 59-8635:46-8
Fisheries management in National Parks
waters

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Mortimer, M.A.E. (1959) 59-8643
In 59-8635:32-43
Three years fish catches from a
conservation dam in Northern Nigeria

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In 59-8635:49
Commercial fishing in Lake McIlwaine

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Maar, A. (1959) 59-8647
In 59-8635:50-1
The fish potential of Lake Kariba

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In 59-8635:69-73
Use of ducks in fish production at
the Fisheries Research Centre

Van der Lingen, M.I. (1959) 59-8648
In 59-8635:54-62
Some preliminary remarks on stocking
rate and production of Tilapia species
at the Fisheries Research Centre

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In 59-8635:74-5
Fish culture in rice paddies

Van der Lingen, M.I. (1959) 59-8649
In 59-8635:63-8
Some observations on the growth of
Tilapia mossambica under different
population densities and on different
levels of feeding at the Fisheries
Research Centre

Wallis, H.W.H. (1959) 59-8652
In 59-8635:76
A novel fishing technique in dam
culture

Van der Lingen, M.I. (1959) 59-8653

In 59-8635:77-9

Weed control in dams and ponds

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van Benthem, J.W.S.S. (1959) 59-8656

Beaufortia, 7(83):41-191

Catalogue of the non-marine mollusca of Sumatra and of its satellite islands

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Abbott, R.T. (1959)	8484	Bantock, C.R. (1958)	7768
Adkins, R.J. & P.E. Fields (1957)	8274	Barigozzi, C. (1957)	8226
Adrov, M.M. (1957)	8154	Barnard, J.L. (1958)	7691
Ajia, K. (1957)	7821	Barnard, K.H. (1959)	8480
Akademiia Nauk SSSR (1957)	7971	Barnes, C.A. & L.K. Coachman (1959)	7675
Alaska. Department of Fish & Game (1958)	8102	Barnes, H. (1957)	8213
Alexander, G.E. & G.G. Eichholz (1958)	8498	Barnhart, R.A. (1958)	8241
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Allanson, B.R. (1958)	8127	Bassett, H.M. (1958)	8239
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Allen, K.R. (1959)	8615	Bé, A.J.H., M. Ewing & L.W. Linton (1959)	8591
Allen, M.B. (1959)	7850	Beck, G.J. (1958)	7963
American Fisheries Society Meeting, Philadelphia, Pa. September 8, 1958 (1958)	7729	Becking, R.E. (1959)	7854
Amoureux, L. (1959)	8549	Beers, C.D. (1959)	8120
Anderson, W.D. & H.W. Freeman (1957)	8203	Beeton, A.M. (1958)	8280
Ando, T. & C. Hashimoto (1958)	7472	Béla, J. & L. Ferenc (1957)	8458
Antonov, V.S. (1958)	7757	Belcher, J.H. (1959)	8556
Argentina. Laws, Statutes, etc. (1959)	8341	Belcher, J.H. & G.E. Fogg (1959)	8560
Arnon, D.I. (1959)	7851 7852	Belgium. Laws, Statutes, etc. (1959)	8365
Arnoult, J. & J. Spillmann (1958)	8109	Beliaeva, M.I. (1958)	8577 8578
Aron, W. (1958)	7740	Benditskii, H.D. (1958)	7795
Arrhenius, G.O.S. (1958)	8436	Beverton, R.J.H., J.A. Gulland & A.R. Margetts (1959)	8594
Artüz, M.I. (1959)	7658 7713	Bidwell, R.G.S. (1959)	7855
Artüz, M.I. & R. Tezel (1959)	7660	Bitners, I. (1958)	8629
Atlantic States Marine Fisheries Commission. Scientific Committee (1958)	7813	Black, H.H. et al. (1957)	8176
Auerbach, S.I. (1959)	7934	Black, W.A.F. (1958)	7664
Azbelev, V.V. (1959)	8532	Black, W.A.F., ... D. Richardson & F.T. Walker (1958)	7665
Bailey, M.E. (1958)	7569	Blackler, H. & G. Russell (1959)	7856
Bailey, R.M. (1959)	8488	Blanchard, D.C. (1958)	7810
Bainbridge, R. & T.H. Waterman (1958)	7649	Blanton, F.S. (1959)	8664
Baker, B.R. (1959)	8663	Bold, H.C. (1959)	7857
Baker, J.R. & J.F. Thompson (1959)	7853	Booth, B. (1958)	7667
Bakshi, T.S. (1959)	8565	Boroughs, H. (1958)	7763
Bal, D.V. (1957)	7718	Bourcart, J. (1959)	8545
Balinskii, B.I. (1957)	7767	Bourrelly, P.P.C. (1959)	7858
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Banner, A.H. & H. Boroughs (1958)	7763	Božić, B. (1957)	8228
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		Bradshaw, J.S. (1957)	8425
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		Breitag, G. (1957)	8419
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Bright, D.B. (1958)	8485	Chaigneau, J. (1959)	8548
Brook, A.J. (1958)	7540	Chalmers, B. (1959)	8005
Brovikov, I.S. & Iu.M. Krylov (1958)	7791	Champigny, M.L. (1959)	7899
Brown, C.J.D. & N. Thoreson (1958)	8504	Chapman, V.J. (1959)	7863
Brown, T.E. (1959)	7860	Charles, J.R. (1957)	8246
Bruievich, S.V. & Ie.D. Zaitseva (1958)	7751	Charnock, H. (1958)	7771
Brundin, L. (1958)	7539	Chartier, J., F.W. Van Klaveren & G. Vaillancourt (1958)	8619
Brunel, J. (1959)	7935	Chavin, W. (1958)	8282
Brynildson, C. (1958)	7702	Chessin, M. (1959)	7864
Brynildson, C.M. (1958)	8276	Chew, F. & L.P. Wagner (1958)	8499
Buchholz, M.M. (1958)	7654	Chile. Laws, Statutes, etc. (1958)	8327
Buchsbaum, R. (1957)	8231	Chile, Laws, Statutes, etc. (1959)	8345 8353
Bulgakov, N.P. (1958)	7754	Ching, H.L. & E.S. Robinson (1959)	8468
Buliček, J. (1958)	7560	Choe, E.S. (1959)	7891
Bullock, T.H. (1957)	8223	Churkina, N.A. (1958)	7756
Bullock, W.L. (1958)	8234	Ciferri, R. (1959)	7865
Burdick, G.E., H.J. Dean & E.J. Harris (1958)	8248	Circle, H. (1958)	7590
Burford, M.G. (1958)	7692	Clauss, H. (1958)	7469
Burke, J.D. & W.S. Woolcott (1957)	8267	Coachman, L.K. (1959)	7675
Burrows, E.M. (1959)	7936	Coackley, P. (1958)	7748
Bursa, A. (1958)	8552	Cochrane, N.J. (1957)	7998
Burt, C.C. (1958)	7666	Cocking, A.W. (1959)	8160 8161
Bush, R.R. & T.R. Wilson (1957)	8263	Cohen, D.M. (1958)	8489
C.O.I. (1959)	8185 to 8189	Cohen, D.N. (1959)	8593
Cain, S.A. (1959)	7861	Cole, V.W. (1957)	8287
Caldwell, D.K. (1959)	8486	Coll, H. (1957)	8290
California. Department of Fish & Game (1958)	7494	Columbia. Laws, Statutes, etc.	8317
Canada. Laws, Statutes, etc. (1958)	8301 8325 8326	Colton, J.B., Jr. (1959)	8590
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Canter, H.M. (1959)	8563	Conover, J.T. (1958)	8453
Carlin, D. (1959)	8536	Cook, A.H. (1957)	7587
Carnes, W.C. (1958)	7769	Corbet, P.S. (1958)	8180
Carr, A. & L. Giovannoli (1957)	7589	Corbet, P.S. (1959)	8181
Carrier, G.F. & H.F. Greenspan (1958)	7864	Costa Rica. Laws, Statutes, etc. (1958)	8318
Cartwright, D.E. (1957)	8002	Cowell, D.C. (1959)	7681
Cassie, V. (1959)	7862 7937	Crass, R.S. (1959)	8637 8642
Castenholz, R.W. (1958)	8191	Crichton, I.I. & B.R. Baker (1959)	8663
Chacko, F.I. & C.M. Pillai (1958)	7672	Crisp, J. (1958)	7760
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		Cross, F.B. (1959)	8450
		Crossman, E.J. (1959)	7510 7511
		Cummings, R.H. & R.A. Neal (1958)	7573
		Curl, H.C., Jr. (1959)	7866
		Curray, J.R. (1957)	8432

Cyprus. Laws, Statutes, etc. (1959)	8401	Edney, E.B. (1959)	7838
Czechoslovakia. Laws, Statutes, etc. (1959)	8327	Efford, I. (1959)	8660
da Franca, P. (1959)	8494	Efremychev, V.I. (1957)	8004
da Franca, P. & M.L.Paes da Franca (1959)	8490	Egami, N. (1959)	7518
Dahl, J. (1959)	8526	Egler, F.E. (1959)	7940
Daniel, A. (1958)	7533	Ehrlich, S. (1958)	7697 7701
Danielli, J.F., K.G.A. Pankhurst & A.C. Riddiford (1959)	8153	Eichholz, G.G. (1958)	8498
D'Arcy Thompson, R. (1958)	7527	Ekzertsev, V.A. (1958)	8581 8582
Darden, Wm.M. & D.R. Talbott (1958)	7561	Elnahal, I.M. (1958)	7833
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Davies, D.H. (1958)	8015	Elster, H.-J. (1958)	7521
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Debaisieux, P. (1959)	8121	Emerson, R. & H.C. Whisler (1959)	7871
Delacour, J. (1957)	7770	Emerson, W.K. (1958)	8190
Del Grosso, V.A. (1959)	7509	Emery, K.O. (1957)	8429
Delosme, R., P. Joliet & J. Lavorel (1959)	8450	Enokida, S. (1958)	8515
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Denmark. Laws, Statutes, etc. (1959)	8372 8373	Evropeizeva, N.W. (1959)	8529
De Oliveira, L. et al. (1957)	8192	Ewing, M. (1959)	7710 8591
de Oliveira, L.P.H. (1958)	8454	Expert Meeting on Fishery Statistics in the North Atlantic Area, Edinburgh, Scotland, 22-30 September 1959 (1959)	7730
De Selm, H.R. & R.E. Shanks (1959)	7938	Eyster, C. (1959)	7873
Desikachary, T.V. (1959)	7867 7868	Farris, D.A. (1958)	8278
Deutscher Hydrographischer Institut (1958)	7805	Fedorov, V.D. (1958)	8571 8572
Dillingham, E.O., D.T. Knuth & G.E. Wessman (1958)	7572	Feldmann, J. (1957)	8212
Domantay, J.S. (1958)	7532	Ferenc, L. (1957)	8458
Dinsmore, B.H. (1958)	8457	Fields, F.E. (1957)	8274 8275
Doty, M.S. (1959)	7839	Findenegg, I. (1958)	7527
Drew, K.M. (1958)	8108 8104	Finland. Laws, Statutes, etc. (1958)	8302 8303 8336
Droop, M.R. (1959)	7869 7870	Finland. Laws, Statutes, etc. (1959)	8367
Dubach, H.W. (1959)	8600	Fish, G.R. (1959)	8633
Dunagan, T.T. (1957)	7581	Fitch, J.E. (1958)	7820
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Duncan, D.W. & H.L.A. Tarr (1958)	7630	Florida St. University. The Oceanographic Institution (1958)	7707
du Flessis, S.S. (1957)	7563	Fogg, G.E. (1959)	8560
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Durst, C.S. (1958)	7867	France. Laws, Statutes, etc. (1958)	8304 to 8307 8315
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Eberly, W.R. (1959)	8112	Frantz, D.H., Jr., D.D. Ketchum & R.G. Walden (1958)	8514
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Fraser, F.C. (1959)	8206	Griffith, S.D. (1959)	8620
Freeman, H.W. (1957)	8203	Griffiths, H.J. (1959)	8469
Frieswijk, J.J. (1958)	8130	Griffiths, V.S. &	
Fritts, H.C. (1959)	7875	M.I. Jackman (1957)	8289
Fritz, S. (1958)	7789	Grodhaus, G. &	
Fry, F.E.J. (1957)	8224	B. Keh (1958)	8470
Fryer, G. (1958)	8168	Groves, G.W. (1957)	7775
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Fukushima Prefecture. Fisheries		Y. Mathieu (1959)	7689
Experiment Laboratory (1958)	8516	Guern, M. (1959)	8293
Fuortes, M.G.F. (1958)	7834	Guibé, J. (1958)	8107
Gaarder, K. Ringdal (1959)	7859	Gulland, J.A. (1959)	8594
Gade, H.G. (1958)	7733	Gulland, J.A. &	
Gajevskaja, N.S. (1958)	7546	S.J. Holt (1959)	8592
Galkin, G.G. (1959)	8533	Gupta, K.M. (1959)	7880
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S.D. Griffith (1959)	8620	Observatory (1958)	7787 7803
Gaufin, A.R. (1958)	8460	Hakodate. Marine Observatory, Marine	
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Geiger, E. (1958)	8418	Halicki, F.J. (1958)	7480
Gerking, S.D. (1957)	8252	Halldal, P. (1959)	7881
Gernsheim, A. (1959)	7839	Halstead, B.W. (1959)	7486
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A. Gernsheim (1959)	7839	D.W. Schall (1958)	8132
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Department (1957)	8500	Hamon, B.V. (1958)	7734
Ghana. Laws,		Hansen, K. (1959)	8115
Statutes, etc. (1959)	8377	Hansen, L.J. (1958)	8159
Gibbs, R.D. (1959)	7877	Hardcastle, W.S. (1958)	7582
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J.L. Kulp (1959)	7676	J.J. Sousley (1959)	8640
Giovannoli, L. (1957)	7589	Harger, D.M. (1957)	7583
Giraud, G. (1959)	7899	Hari, S. (1959)	7591
Glazner, M. (1958)	7696 7700	Harris, E.J. (1958)	8248
Gloyna, E.F. (1958)	7481 7482	Harris, R.F. (1958)	7704
Godfrey, H. (1959)	7515	Harrison, M.E. &	
Godward, M.B.E. (1959)	8554	H. Heukelekian (1958)	7571
Goldberg, E.D. &		Hartman, O. &	
G.O.S. Arrhenius (1958)	8436	J.L. Barnard (1958)	7691
Goodwin, T.W. (1958)	8147	Harvey, L.A. (1958)	8411
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Gorham, F.R. et al. (1959)	7878	Hashimoto, M. (1958)	8412
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Grabda, E. &		Hasler, A.D. (1958)	8116
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Hawks, J.E. (1959)	8479	Hoy, J. (1959)	7519
Haxo, F.T. (1959)	7882	Hrbáček, J. (1958)	7550
Hedgpeth, J.W. (1959)	7487	Hubbs, C.L. & K.F. Lagler (1957)	7749
Heezen, B.C., M. Tharp & M. Ewing (1959)	7710	Hughhins, E.J. (1958)	8235
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Helm, W.T. (1958)	8279	Hultin, T. (1958)	7473
Helmcke, J.-G. (1959)	7883	Hunn, J.B. (1959)	8625
Hempel, C. (1957)	8016	Hutson, R.E. (1958)	7991
Hennings, C. (1958)	7570	Hutton, R.F. (1959)	8104
Hermann, E.R. & E.F. Gloyne (1958)	7481 7482	Hyman, L.H. (1959)	7708
Hersh, R.T. (1959)	8445	Hynes, H.B.N. (1959)	7464
Heslop-Harrison, J. (1958)	8452	Idler, D.R. & I. Bitners (1958)	8629
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Heukelekian, H. (1958)	7571	Iizuka, S. (1958)	8544
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Heywood, V.H. & D.H. Valentine (1959)	7884	IFPC (1958)	7720 7721
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Hikida, T. (1957)	8204	Inman, D.L. (1958)	8513
Hilder, B. (1958)	7776	International Botanical Congress. Montréal, Aug. 19-29/59 (1959)	7849
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Hirst, E.L., J.J. O'Donnell & E. Percival (1958)	7668	Irie, H. (1958)	8410
Hisaoka, K.K. (1958)	8173	Irvine, D.E.G. & P.C. Silva (1959)	7888
Ho, P.H. (1959)	7887	Isaac, P.C.G., F. Coackley & M. Lodge (1958)	7748
Hobbs, H.H., Jr. (1958)	8126	Ishizaka, S. (1958)	8580
Hobbs, H.H., Jr. & M. Walton (1958)	8199	Isozaki, I. (1958)	7969
Hochachka, P.W. (1959)	7514	Israel, H. (1958)	7980
Hoffman, G.L. (1958)	8240	Iushchak, A.A. & A.L. Muromtsev (1957)	8000
Hollenberg, G.J. (1959)	7886	Ivanov, R.N. (1958)	7778
Holt, S.J. (1957)	7561 8232	Ives, K.J. (1957)	8068
Holt, S.J. (1959)	8592	Ivlev, V.S. (1958)	7747
Holtedahl, H. (1959)	8113	Ivlev, V.S. & G.G. Galkin (1959)	8533
Honduras. Laws, Statutes, etc. (1959)	8390	Iwai, T. (1958)	7455 8492
Honma, Y. (1957)	8256	Jackman, L.I. (1957)	8089
Honma, Y. (1958)	8133	Jackson, S.W., Jr. (1958)	8061
Honma, Y. & S. Murakawa (1958)	8134	Jacoby, J. (1957)	8272
Horridge, G.A. (1958)	8579	Järnefelt, H. (1958)	7534
Hortobágyi, T. (1958)	8462	Japan. Meteorological Agency (1957)	7982
Hoshi, T. (1958)	7804		
Hoshiai, T. (1958)	8416		
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Howgate, P.F. (1959)	7567		

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Oceanographical Section (1958)	7801		
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Joglekar, D.V. (1959)	7577		
Johannesson, J.K. (1959)	8616		
John, K.R. (1957)	8271		
Johnson, F.R. (1958)	7663		
Johnson, M.W. (1957)	8427		
Joliot, P. (1959)	8550		
Jolly, V.H. (1958)	7555		
Jonas, R.E.E. (1958)	8632		
Jones, F.R. & G. Pearce (1958)	8409		
Jones, J.D. & G. Krotkov (1959)	7889		
Jones, R. (1959)	8595		
Jónsson, S. & S. Puiseux-Dao (1959)	8546		
Kachroo, P. & J.C. Sharma (1958)	7673		
Kafuku, T. (1957)	8257		
Kagoshima University. Faculty of Fisheries (1957)	7983		
Kajak, Z. (1958)	8464 8563		
Kajiura, K. (1958)	7739		
Kalendov, A.A. (1957)	7986		
Kane, R.E. & R.T. Hersh (1959)	8445		
Kann, E. (1958)	7542		
Kashimura, T. (1957)	8455		
Kato, T. (1958)	7842		
Kawakami, T., K. Mitsuhashi & O. Suzuki (1958)	8110		
Kazihara, T. (1958)	8543		
Kazihara, T., S. Iizuka & M. Tanaka (1958)	8544		
Keck, K. & H. Clauss (1958)	7469		
Keh, B. (1958)	8470		
Keller, J.B. (1958)	7811		
Kempf, E.J. (1958)	8507		
Kenya. Colony & Protectorate (1959)	7997		
Kerswill, C.J. (1958)	8624		
Kesteven, G.L., H. Rosa, Jr. & S.J. Holt (1957)	8232		
Ketchum, D.D. (1957)	7794		
Ketchum, D.D. (1958)	8514		
Khokhlina, N.S. (1957)	8170		
Kiener, A. (1958)	7637		
Kinne, O. (1957)	8214		
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Klein, L. (1959?)	7562		
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Krogius, F.V. (1957)	8621		
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Krokhin, E.M. (1957)	8622		
Krotkov, G. (1959)	7889		
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Kruse, P.E. (1958)	8283		
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Krylov, Iu.M. (1958)	7791		
Kubota, S.S. (1957)	7650		
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Kuksa, V.I. (1957)	7968		
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kundu, M. (1959)	7671		
Kusa, L. (1957)	8258		
Kusunoki, K. (1958)	7753		
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Larkin, P.A. & T.G. Northcote (1958)	7536	Machin, K.E. (1958)	7468 7648
Larsen, K. (1959)	8528	Lackereth, F.J.H. (1959)	8601
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Latta, W.C. (1958)	8254	MacLeod, R.A., R.E.E. Jonas & J.R. McBride (1958)	8632
Latta, W.C. (1959)	8174	Magai, T. (1958)	7788
Laurent, A.G. (1958)	7492	Maggio, R. (1959)	8446
Lauwerier, H.A. (1957)	7844 8001	Maheshwari, S.C. (1959)	7895
Lauwerier, H.A. (1958)	8166	Maldonado-Koerdell, M. (1959)	7896
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Lee, M.J., E.S. Choe & S.S. Park (1959)	7891	Manter, H.W. (1957)	8262
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Legendre, V. (1957)	7831	Marek, M. (1958)	7694
Leigh, W.H. (1958)	8238	Marfey, C. & R. Sager (1959)	7897
Lejuez, R. (1959)	8547	Margalef, R. (1958)	7545
Lemasson, L. (1957)	7579	Margetts, A.R. (1959)	8594
Lemos de Castro, A. (1958)	8481	Marriage, L.D. (1958)	7646
Leonard, J.W. (1959)	7944	Marshall, N.B. (1959)	8599
Leonov, A.K. (1958)	7808	Marshall, S.M. & A.F. Orr (1957)	8211 8225
Levring, T. (1959)	7892	Martin, A.V.J. (1957)	7773
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Lewin, G. (1959)	8646	Marumo, R. (1957)	7995 8003
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Lewin, R.A. (1959)	7894	Mason, B. (1958)	8508
Liebermann, L. (1957)	8420	Mason, H.L. (1959)	7898
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Lindroth, A. (1959)	8522 8537	Masselli, N.W. (1958)	7692
Linsley, R.K. (1958)	7706	Masuzawa, J. (1957)	7994
Linton, L.W. (1959)	8591	Matheson, C. (1959)	8008
Lippmann, F. (1958)	8542	Mathieu, Y. (1959)	7689
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Stangenberg, M. (1958)	7551	Taylor, A.R.A. (1959)	7921
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Starr, R.C. (1959)	7957	Taylor, Wm.R. (1959)	7922
Starr, T.J. & F. Sanders (1959)	8456	Tebble, E. (1959)	8009
Stasek, C.R. (1958)	8201	Teissier, G. (1957)	8216
Stauffer, T.L. & M.J. Hansen (1958)	8159	Tezel, R. (1959)	7660
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Stewart, L.H. (1959)	8645	Thompson, J.F. (1959)	7853
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Stiller, M. (1959)	7919	Thoreson, N. (1958)	8504
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Stout, V.M. (1959)	8662	Tiago de Oliveira, J. & J. dos Santos Pinto (1957)	7716
Ström, K. (1958)	7533	Tillon, R. (1959)	7686
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		Turner, H.J., Jr. & J.D. Hawks (1959)	8479
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Talageanu, N. (1959)	7920	Tyler, J.E. (1958)	7736
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Talbott, D.R. (1958)	7531	Üner, S. (1959)	7659 7661
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Talling, J.F. (1959)	8558	Underhill, F.H. (1959)	8183
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U.K. Ministry of Agriculture Fisheries & Food (1957?)	7489	Vlasblom, A.G. & H.P. Wolvekamp (1957)	7652
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Prepared by
Biology Branch, Fisheries Division



Curr.Bibliogr.aquat.Sci.Fish., 2(10)

Rome, December 1959

containing: taxonomic index 2(8), geographic index 2(8), references
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Errata

	<u>Proc.Linn.Soc.Lond.,</u>	should read	<u>Proc.Linn.Soc.L.S.,</u>
59-6128			
6174	demarsal	" "	demersal
6616	of the the Sea	" "	of the Sea
6617	hydrozoa	" "	Hydrozoa
6693	La <u>Laminaria</u>	" "	<u>Laminaria</u>
6828	microorganisms	" "	microorganisms
6836	Aplysia	" "	<u>Aplisia</u>
6894	fur sea	" "	fur seal
6936	escallop	" "	scallop
7013	Bangos	" "	bangos
7018 } 7019 }	Vaas, A. & van Oven	" "	Vaas-van Oven, A.
7031	seet	" "	seed
7051	See 59-	" "	See 59-7052
7052	Note referring to 59-a0051	" "	Note referring to 59-C051
7065	Macnane, W.	" "	Macnae, W.
7112	<u>Misgurinus</u>	" "	<u>Misgurnus</u>
7119	<u>Hydrurga leptonyx</u>	" "	<u>Hydrurga leptonyx</u>
7211	Faerpers	" "	Faeroes
7270	<u>Gymnolaemata</u>	" "	Gymnolaemata
7275	<u>Raja clovata</u>	" "	<u>Raja clavata</u>
7395	<u>Isu us</u>	" "	<u>Isurus</u>
7961	(1959)	" "	(1957)
5614	Eighty	" "	Eighth

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2(10):A1

" "

2(9):1

59-7264 Bryocampus reported twice, please cross out one.

Please delete numbers: 59-1925, 59-6990, 571023, 59-2230,
59-7846, 59-7978, 59-8496

59-7538 Translation of title should read: "On the investigations of
zoobenthos in"



Addenda

Idler, D.R. & 59-8628
 H. Tsuyuki (1958)
Canad.J.Biochem.Physiol., 36:783-91
 Biochemical studies on sockeye salmon
 during spawning migration - I.
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nerka, Fraser River stock. Results are
 discussed in relation to the findings
 of others on salmonidae.

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MF

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 bacterium, genus Pseudomonas -, B₁₆ -
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Spirillum. Other papers in this series
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M

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identified as sp. of either
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Membrane and
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The origin and speciation of
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aba

M

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A note on the occurrence and feeding habits of Noctiluca and their effect on the plankton community and fisheries

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FAC:sjh

FG

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(Card 2,
seriously affect either the plankton community or fisheries.

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Ann. Soc. Zool. Japonica, 48(1): 1-10
 Les poissons de la zone ou graminale
 'Aspin, L. (1958), peut être gardée en
 aquarium et servir à des recherches
 physiologiques (the gudgeon perch
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 aquarium and used for physiological
 research,

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 Islands

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 34 specimens belong to 6 spp., 5
 previously recorded from the regions,
 & Microdonax contabilis. Descriptive
 notes, notes on variability -
 especially in 2 spp. of Nototaxia &
 in Pogonias vaclon - notes on
 distribution, etc. Soviet
Hydropterus is recorded for the 1st

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Fieldiana, Zool., 39(16): 149-83
 Descriptions of abyssal benthic fishes
 from the Gulf of Mexico

BA 33(4)15991. Single bottom haul by
 ORAGON in Gulf of Mexico at Station
 1303, 28 47'N, 87 50'W, May 26, 1955,
 in 1150-1200 fathoms, yielded 72 fishes
 belonging to 7 families, 14 genera, &
 17 spp., 11 of the spp., incl. 2 new
 forms, Grimatiroctes ballisi & Microdonax
kenazumai, were previously unknown from
 the Gulf & of these, 7 were also
 unknown from the Western Atlantic.
 2 of the genera are rec ried from the

59-5041
 (Card 2)
 time since the original type was
 taken.

59-1636
 (Card 2)
 Western Atlantic for the 1st time,
Grimatiroctes Parr & Marcetes Alcock.

Smith, J.H.B. (1958) 59-6741
Ann. Mag. Nat. Hist., Ser. 13, 1(2): 156-60
 Tetraodont fishes from south and
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Tetraodontidae - & its type C.
palaeonellus from Xora Mouth, Transkei,
 are described, with discussion of
Arctodon & key & notes on 9 African
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 Let's be oyster farmers

BA 33(1)547. History & early
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 equipment & methods used in oyster
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 Description of a new fresh water cat-
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Ill. description of specimens from
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Analytical consideration of 3 current systems - a rectilinear current system of finite width which decreases with depth; a non balanced vortex & a rectilinear current system in a sea which is bounded on both sides -, with emphasis on their oscillations.

TL:tl

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(Freshwater fish culture from the physiological point of view - I. Influences of ammonia nitrogen excreted by fishes on their growth in the culture ponds). Ni En

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SJH:sjh

F

59-8102
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stocking, management, statistics - sport fish. Budget, financial reports, publications, licenses, hatchery activities etc.

FAO:sjh

MF

Please add in the annotations of the following numbers: WFA 11(1)

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59-6543, 59-6546, 59-6554, 59-6566

Please add in reference & title of 59-6224:
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570509	Re	59-9410	
581057	Re	59-9409	
584164	CR	59-9670	
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	Salmo trutta		6710	6713
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	SALMONIDAE		6614	6715
		7214	7221	6863
	Salvelinus fontinalis			6796
		6797	6877	
	Salvelinus malma			7090
1,24	Esox			6679
1,40	Abramis		6931	7052
	Acheilognathus			7115
	Carassius		6797	6945
		7112	7185	7186
	Catostomus			7215
	CYPRINIDAE			6797
	Cyprinus		6792	6815
		to	7019	7016
		7055	7111	7029
		7158	to	7112
		7242		7161
	Hybognathus			7102
	Ictiobus			6694
	Labeo			6955
	Misgurnus			7112
	Notemigonus			7293
	Notropis		6891	7361
	Pimephales		7079	7102
	Rhodeus			7109
	Richardsonius			7081
	Rutilus		6947	7052
	Scardinius			7052
	Tinca		6881	6947
1,41	Ameiurus		6694	6797
	Ictalurus		6719	7293
	Mystus		6955	6999

1,41	(continued)		
	<i>Pilodictis</i>	7097	
	<i>SILURIDAE</i>	7187	
1,43	<i>Anguilla anguilla</i>	7408	
	<i>Muraena</i>	7290	
1,47	<i>Cololabis</i>	7068	
	<i>Xenentodon</i>	6962	
1,48	<i>GADIDAE</i>	7142	7268
	<i>Gadus merlangus</i>	6698	7396
	<i>Gadus morhua</i>	6638 6639	6685
		6686 6698	6798 6799
		6801 7220	7259 7314
		7396	
	<i>Melanogrammus</i>	6757	6799
		6879 7349	7396 7407
	<i>Merluccius gayi</i>		6840
	<i>Merluccius hubbsi</i>		7268
	<i>Merluccius merluccius</i>		6698
		7396	
	<i>Pollachius</i>	6698	7396
1,50	<i>GASTEROSTEIDAE</i>		6613
	<i>Gasterosteus</i>		6958
	<i>Spinachia</i>		7120
1,51	<i>CENTRISCIDAE</i>		6613
1,57	<i>Anableps</i>		6874
	<i>Anatolichthys</i>		7262
	<i>Aphanius</i>		7162
	<i>Fundulus</i>		6730
	<i>Gambusia</i>		7102
	<i>Kosswigichthys</i>		7262
	<i>Lebistes</i>		7079
	<i>Oryzias</i>		6959
	<i>POECILIIDAE</i>		7355
1,61	<i>Holocentrus</i>		7114
1,62	<i>CAPROIDAE</i>		6613
	<i>ZEIDAE</i>		6613
1,65	<i>ATHERINIDAE</i>		6613
	<i>Liza</i>		7115
	<i>Mugil</i>	7031	7127
1,70	<i>Aequidens</i>		7364
	<i>Ambloplites</i>	6604	736
	<i>BRAMIDAE</i>		6613
	<i>Caranx</i>		7352
	<i>Chaenobrythus</i>		7293
	<i>CHAELODONTIDAE</i>		6613
	<i>CICHLIDAE</i>	5150	7352

1,70	(continued)		
	<i>CORYPHAEINIDAE</i>		6613
	<i>Holacanthus</i>		6677
	<i>Lepomis</i>	6694 6717 7079	7293
		7364	
	<i>Limnichthys</i>		6743
	<i>Lucioperca</i>		7052
	<i>Micropogon</i>		6756
	<i>Micropterus</i>	6796 7103	7293
	<i>Mullus</i>		6927 6931
	<i>Mylio</i>		6903
	<i>Perca flavescens</i>	6719	7339
	<i>Perca fluviatilis</i>		7052
	<i>Pikea</i>		6706
	<i>Roccus</i>	6717 6802 7116	7383
	<i>Scarus</i>		7290
	<i>Seriola</i>		7070
	<i>Serranellus</i>		7354
	<i>Sparisoma</i>		7290
	<i>Taeniotoxa</i>		6701
	<i>Tilapia</i>	6907	7363
1,71	<i>Anarhichas</i>		6875
	<i>BLENNIIDAE</i>		6846
	<i>Parviclinus</i>		7120
	<i>Statimmonotus</i>		7120
1,72	<i>Ammodytes</i>		7349
	<i>AMMODYTIDAE</i>		6613
	<i>OPHIDIIDAE</i>		6613
1,73	<i>Siganus</i>		7115
1,74	<i>Trichiurus</i>		6900
1,75	<i>Makaira</i>		7025
	<i>Rastrelliger</i>	6685	7043
	<i>Sarda</i>		7123
	<i>Scomber scombrus</i>		7283
	<i>Scombridae</i>	6685	7124
1,76	<i>NOMEIDAE</i>		6613
	<i>Osphronemus</i>		7032
	<i>STROMATEIDAE</i>		6613
1,77	<i>Bathygobius</i>		7351
	<i>Doleophthalmus</i>		6955
	<i>Eleotris</i>		7115
1,78	<i>Cottus</i>		6796
	<i>CYCLOPTERIDAE</i>		6613
	<i>Leptocottus</i>		6702
	<i>Sebastes</i>		7407
	<i>Trigla</i>		6930
1,80	<i>Auxis</i>		6673

1,80	(continued)			
	Germo	7010	7023	
	Katsuwonus	6816	7001	
	Neothunnus	6816	7028	
	Parathunnus	7026	7027	
	THUNNIFORMES	6708	6926	7012
	7037	7143		
	Thunnus thynnus	6933	7143	
1,83	Lepidorhombus		6930	
	Platichthys	6702	6732	
	Pleuronectes microcephalus			
	7255			
	Pleuronectes platessa		7144	
	7396			
	Rhombus	7125	7126	
	Solea		7396	
	Zeugopterus		6930	
1,86	Rhynchobdella		6962	
1,90	TETRAODONTIDAE		6741	
1,92	GOBIESOCIDAE		6613	
1,99	FISHES, MISC.	6642	6644	6653
		6654	6656	6658 to
		6661	6672	6703 6714
		6716	6718	6721 6729
		6739	6740	6742 6744
		6762	6775	6789 6790
		6806	6815	6838 6842
		6845	6847	6849 6854
		to	6862	6864 to
		6867	6872	6873 6880
		6895	6896	6897 6904
		6912	6929	6932 6933
		6937	6941	6949 6993
		7003	to	7009 7011
		7021	7022	7034 7035
		7040	7044	7045 7050
		7051	7068	7074 7076
		7080	7084	7088 7091
		7106	7118	7122 7134
		7162	7164	7165 7171
		7184	7217	7222 7228
		7241	7245	7252 7253
		7256	7258	7272 7285
		7316	7319	7321 7335
		7356	7357	7358 7362
		7365	7368	7369 7377
		7378	7384	7385 7386
		7389	7406	7433 7434
		7435		

2,00	CRUSTACEANS, GEN.	6651	6749
		6773	6776 6778 6781
		6782	6783 6785 6821
		6831	6833 6888 6956
		6996	7030 7047 7055
		7063	7065 7128 7130
		7131	7140 7296 7345
		7371	
2,02	Streptocephalus		7341
2,05	CLADOCERA	6617	7443
	Daphnia	7110	7288
2,06	OSTRACODA		7442
2,07	Ilyodromus		7263
	Leptocythere		7263
	Lymnocythere		7263
2,09	COPEPODA	6712	6899
2,10	Acanthochondria		6622
	Anomalocera		7266
	Bryocamptus		7264
	Galigus		7184
	Chondracanthus		6623
	Cyclocypris		7264
	Cypria		7264
	Elaphoidella		7264
	Eucalanus		6952
	Labidocera		7266
	Lamproglana		7432
	Lernaea		6750
	Limnocalanus		7313
	Mixodiaptomus		7264
	Parapontella		7266
	Pontella		7266
	Pontellina		7266
	Pontellopsis		7266
	Porcellidium		7058
2,12	CIRRIPEDIA		7146
2,13	Balanus		6616
2,19	Anaspides		6876
	Bathynella		6876
	Paranaspides		6876
	Parabathynella		6876
	Koonunga		6876
2,20	MYSIDAE		7445

2,23	Asellus		6705	6705	3,10	Marisa		7451	
	ISOPODA			6735		Telescopium		6961	
	Mesidotea			6745		Vivipara	1516	6954	
2,24	AMPHIPODA			6735	3,11	Archidoris		6621	
	Gammarus			7275		OPISTHOBRANCHIATA		7452	
	Niphargus			7265		Philine		7372	
2,25	Lysiosquilla			6965	3,13	Australorbis		7526	
	Squilla			6965		ELLOBIIDAE		5957	
						Limnaea	7273	7275	7278
2,26	Meganyctiphanes	6627		6946		Physa		7344	
	7170					Stagnicola		7344	
	Thysanoessa			6945					
2,27	DECAPODA			7117	3,15	PELECYPODA	6847	6852	7373
2,28	Alpheus			7354	3,16	Crassostrea	7064	7151	7405
	Leander			663		Mytilus			7273
	NATANTIA	6756	7117	7166		Ostrea	6682	7227	7292
	Palaemon			6632		OSTREIDAE		6847	6851
	Pandalus			6635		Pecten		6683	6936
				6946		Pinctada		6827	7381
						Placopecten			7039
2,29	Cancer			6639	3,17	Arctica			7226
	Carcinus			7144		Mactra			6961
	Helice			7324		Petricola			7275
	Hemigrapsus			6639		Pharus			6626
	Hemiplax			7352		Sanguinolaria			6961
	Homarus	6680		6945		Scrobicularia			7275
	Jaanus			6782					
	Panulirus			7352	3,21	Architeuthis			8610
	Polyonix			6865		Ommastrephes			7071
2,99	CRUSTACEANS, MISC.	6642		6661	3,99	MOLLUSCS, MISC.	6642	6651	6661
		6672	6689	6724			6672	6689	6775
		6778	6788	6789			6789	6825	6830
		6825	6833	6845			6838	6845	6864
		to	6867	6873			6867	6873	6933
		6933	7118	7122			7122	7164	7171
		7171	7227	7245			7245	7252	7253
		7253	7272	7335			7289	7335	7342
		7369	7389	7404			7389	7404	
3,00	MOLLUSCS, GEN.	6749	6773	6776	3,00	MAMMALS, GEN.		6725	6750
		6778	6781	6782					
		6785	6821	6824					
		6833	6888	6956					
		7030	7047	7055					
		7065	7128	7130					
		7140	7296	7345					
3,04	Dentalium			661					
3,07	Astraea			7343					
3,09	PYRAMIDELLIDAE			7153					

4,14	Manatus		7416	6,18	SCYPHOZOA		7439
					Stomolophus		7073
4,16	Myocastor	7421	7427				
	Nutria		7418	6,19	ANTHOZOA	6780	7065
					Metridium		7058
4,21	CETACEA	7235	7236	7419			
4,22	DELPHINIDAE	7423	7428	6,24	Crenobia		6643
	Inia	7347	7412		Dendrocoelopsis		7438
	Orcinus		7417				
	Phocaena	7414	7415	6,26	Difurcophaptor		7434
					Dictyocotyle		7273
4,23	Megaptera	7150	7318		Kuhnia		7283
					MONOGENA	7284	7433
4,97	MAMMALS, AQUATIC	6845	7420	6,27	Cotylurus		7275
	7422				DIGENA		7278
5,00	AMPHIBIANS, GEN.		6725		Echinostoma		7275
					Schistosoma		7449
5,12	Rana		6707		TRANSVERSOTREMA		7435
5,29	AMPHIBIANS, MISC.	6621	7297	6,30	Acanthobothrium		7395
					Echinobothrium		7395
5,30	REPTILES, GEN.		6725		Gymnorhynchus		7395
					Prochristianella		7395
5,31	Caretta	6868	6870	6871	PHYLLOBOTHRIIDAE		7436
	CHELONIA		7219	7376			
	Chelonia			6758	6,31	Lineus	6731
	Kinosternon			6803			
					6,33	NEMATODA	6774
5,34	Amblyrhynchus		6894				
				6,37	ROTATORIA		7440
5,62	PHALACROCORACIDAE		6662				
				6,42	ECTOPROCTA	6618	7270
5,87	BIRDS, AQUATIC	6929	7297				
	7336			6,43	BRACHIOPODA		6618
					Macandrevia		6631
5,91	ENTEROPNEUSTA		6618				
				6,44	PHORONIDEA		6618
5,93	POGONOPHORA		6618				
				6,45	CHAETOGNATHA		6618
5,98	CHORDATA, GEN.		6725				
				6,48	POLYCHAETA		7065
6,03	Globigerina		7181				
				6,50	Arenicola		6637
6,09	CILIATA		7147		Armandia		6953
					Polydora		6682
6,11	Loxodes		7149				
	Paramaecium		7149	6,52	GEPHYREA		6618
	Stentor		6964				
				6,56	Limulus		7060
6,16	COELENTERATA		6834				
				6,66	INSECTA	6654 6655	7297 7337
6,17	Craspedacusta		7438				
	HYDROZOA		6617	6,87	Chironomus		6906
	Physalia		7058		Culex		7286
	Tetraplatia		6634		Prosimulium		6733
					TENDIPEDIDAE		7020

6,91	Asterias		7320		8,01	BACTERIA	6670	6697	6819	6826
							6828	6877	7289	
6,93	ECHINOIDEA	6837	6965			Pseudomonas				6884
	Echinus		6633							
6,97	INVERTEBRATES, AQUATIC		6651		8,94	Candida				7061
	6689	6749	6773	6775						
	6776	6778	6781	6782	8,99	FUNGI, MISC.				7289
	6783	6785	6787	to						
	6790	6821	6825	6826	9,43	Cymodocea				7064
	6828	6830	6831	6833		Diplanthera				7064
	6845	6888	6956	6996		Halophila				7064
	7030	7047	7055	7063		Thalassia				7064
	7065	7122	7128	7131		Zostera				6681
	7140	7141	7146	7289	9,47	Phragmites				7244
	7296	7342	7345	7371						
	7404				9,51	Typha				6666
7,00	ALGAE, GEN.	6651	6664	6665	9,91	Tithonia				7018
	6668	6684	6749	6791						
	6793	6817	6819	6826	9,97	AQUATIC EMBRYOPHYTES	6651	6664		
	6828	6839	6996	7046			6665	6728	7244	7374
	7047	7055	7065	7132		HIGHER PLANTS, AQUATIC	6651	6728		
	7140									
7,06	Chlorella	6734	7061							
	Scenedesmus		7223							
7,16	DESMIDIACEAE		6951							
7,32	Chromulina		6630							
7,65	DINOFLAGELLATA		7129							
7,67	Peridinium		6998							
7,70	Euglena	6944	7061							
7,77	Laminaria	6693	7117							
7,80	Fucus		6693							
7,81	RHODOPHYCEAE		6624							
7,85	Gelidium		6693							
7,86	Dilsea		6693							
7,87	Chondrus		6693							
	Iridaea		6693							
7,99	ALGAE, MISC.	6652	6670	6696						
	6318	6829	6883	7033						
	7122	7289	7374	7375						
8,01	Bacillus		7061							

100	AFRICA		6746	7171					
113	Morocco		6933	7389					
132	Uganda			7373					
144	Ghana			6873					
151	Angola			6741					
154	Union of S.Africa	6740	6741						
		6744	6745	7064	7261				
155	Mozambique	7062	to	7065					
200	NORTH AMERICA			7171					
210	<u>Canada</u>	6723	6730	6757	6799				
		6853	6902	7249	7261				
		7341							
211	Canadian Arctic			7233					
212	British Columbia	6702	6800						
		6813	6901	7081	7225				
214	Ontario	6728	6796	6804					
215	Quebec	6761	7314	7316					
216	Labrador			7375					
216	Newfoundland			7375					
217	New Brunswick		7226	7227					
217	Nova Scotia	6662	6798	7227					
220	USA (<u>Alaska</u>)	6659	6700	6701					
		7197	7304	7429					
230	<u>USA</u>	6730	6757	6803	6853				
		6912	7005	7077	7078				
		7082	7118	7249	7261				
		7289	7341	7398					
231	USA, N.W.		6688	6901					
231	Idaho			6937					
231	Oregon	6652	6691	7092	7294				
		7388							
231	Washington State	6652	6755						
		6762	6813	6843	6844				
		7075	7388						
232	Arizona			6658					
232	California	6652	6660	6689					
		6753	6888	7116	7203				
		7286	7388						
233	Montana	6713	6714	7088					
234	Iowa	6889	7385	7386					
234	Kentucky		6709	6735					
234	Michigan			6941					
234	Minnesota			7106					
234	Missouri			7384					
234	Wisconsin		6805	7339					
235	Louisiana		7076	7342					
235	Mississippi			6890					
235	Oklahoma		6703	7443					
236	USA, New England			7420					
236	Connecticut		7292	7413					
236	Maine			6721					
236	Massachusetts			7405					
237	Delaware			7405					
237	New Jersey			6661					
237	New York	6663	6809	7113					
237	Pennsylvania			7344					
238	USA, S.Atlantic States			7095					
238	N.Carolina		6868	6870					
238	S.Carolina	6868	6870	6871					
		7442							
238	Georgia		6868	6870					
238	Florida	6729	6868	6870					
		7376	7421	7451					
240	<u>Bermudas</u>			6677	7359				
250	<u>Greenland</u>				7210				
300	LATIN AMERICA		6746	7171					
311	Mexico	6705	6842	6868	6870				
		7310	7387						
321	Br. Caribbean Federation			6758					
322	Cuba			6872					
341	Galapagos Is.			6894					
343	Chile	6774	6840	6864	to				
		6867							
351	Brazil	6739	7378	7412	7439				
		7449							
353	Argentina				7268				
400	ASIA		6746	6942	7171				
413	Israel	7241	to	7244	7371				
415	Yemen				7272				
423	India	6896	6897	6952	6953				
		6956	6957	6962	6998				
		7006	7007	7031	7055				
		7145	7146	7164	7434				
		7446							
424	Ceylon				7032				
425	E.Pakistan				7369				
431	Burma			6748	6749				
432	Thailand				6748				
433	Malaya			6748	7034				
433	Singapore				6748				
434	Indonesia	6748	7004	7016					
		7017	7018	7021					
434	Java			7020	7335				
435	New Guinea (Neth.)		6986	7035					
436	Sarawak				7423				
437	Philippines			7022	7435				
438	Indochina				6748				
438	Cambodia				7050				
438	Vietnam				7009				
441	Chinese People's Republic				6748				
		7184	7186						
442	Hong Kong				7033				
444	Korea				6748				
451	Japan	6908	6982	6990	7068				
		7073	7111	7115	7134				
		7235	7236	7261	7320				
		7379							

451	Japan, Honshu		6071		610	Australia	7151	7152	7153
500	EUROPE		6746	7171		7235	7236	7318	
511	Denmark	6684	7210	7212	612	Western Australia			6752
	7245	7248	7252	7253	614	Victoria			6903
	7261				615	New S. Wales			6904
512	Faroe Is.		7211	7212	618	Macquarie I.			7319
514	Norway	6668	6810	6838	620	New Guinea Trust Territory			
	7236	7245	7248	7252			6986	7035	
	7253	7261	7409		621	N.E. New Guinea	6986	7035	
517	Finland			6726	624	Papua		7035	
521	Netherlands	7235	7236	7245	630	New Zealand	6883	7169	7394
	7248	7252	7253	7336		7395			
522	Belgium	7245	7248	7252	641	Fr. Oceania		7167	7168
	7253	7261			641	Society Is.			7001
524	France	6616	6617	6712	660	USA (Hawaii)	6673	7001	7036
	6845	6927	6928	6930	700	USSR			7202
	6931	6932	6936	7245	710	Russian FSSR	6921	7235	7236
	7248	7252	7253	7261		7304			
531	Ireland	6637	6681	6683	800	SPECIAL INTERCONTINENTAL			
	6814	6815	6951	7261		REGIONAL GROUPINGS			
532	United Kingdom		6910	7142	816	Temperate Zones			7351
	7212	7235	7236	7245	817	Tropics			7351
	7248	7252	7253	7261	820	Antarctic Continent	7119		7157
	7309	7436				7323	7324		
533	England	6632	6637	6641	863	Fr. Community			6943
	6674	6675	6682	6966	A	ATLANTIC OCEAN	6672	6916	
	7273	7275	7278	7279	AN	Atlantic, N.	7181	7192	7211
	7289	7333	7334	7419		7250	7396		
	7424				ANW	Atlantic, N.W.		6652	6706
533	Wales			7120		7251	7405	7406	7452
534	Scotland	6637	6680	6698	ANW.01	G. of St. Lawrence		6798	7089
	7117	7170	7374	7396		7231			
542	Spain	6642	6712	6793	ANW.06	Chesapeake B.			7404
	7383			7261	ANW.07	B. of Fundy			7183
543	Italy	7135	7136	7137	ANE.02	Barents Sea		6638	6639
543	Sicily			7139	ANE.04	North Sea	6676	6899	6981
547	Malta and Gozo			7261		7403			
551	Yugoslavia		7263	7265	ANE.05	Baltic Sea			6972
554	Bulgaria	7123	7126	to	ANE.06	G. of Bothnia			7313
	7133	7264			ANE.07	G. of Finland			6972
556	Turkey		7262	7321	ASW	Atlantic, S.W.		6706	7452
561	Germany	7245	7248	7252	ASW.01	G. of Mexico	6652	6754	7417
	7253	7256	7261	7408	ASW.02	Caribbean Sea			6754
	7440				ASE	Atlantic, S.E.			6743
561	Federal Republic of Germany			7440	ASE.02	Mediterranean Sea		6839	7267
563	Austria			7440	ASE.06	Aegean Sea		7266	7267
571	German Democratic Republic			7440	ASE.08	Adriatic Sea			6895
572	Poland	7158	7432	7433	ASE.09	Sea of Marmara		7266	7267
	7440				ASE.10	Black Sea	6669	6915	6921
573	Czechoslovakia	6808	7317			7125	7127	7129	7132
	7440					7133	7266	7267	
600	OCEANIA		7171						

I	INDOPACIFIC OCEAN	6672	7012
	7074 7174 7398		
IN	Pacific, N.	6669 6853	7107
	7189 7199 7228		
IN.01	Japan Sea	6979 7067	7070
	7071 7072 7073		
IN.02	Sea of Okhotsk		6989
IN.03	Bering Sea		7304
IS	<u>Tropical Indopacific</u>		7023
	7198		
ISW	Indian Ocean	6742 6743	
	6807 6846 6974		6986
ISW.06	B. of Bengal		6960
ISEW	Indopacific, Central		7026
	7027 7122 7167		7168
ISEW.14	Arafura Sea		7381
ISEW.17	Solomon Sea		7024
ISE	Pacific, S.E.	6816	7001
P	POLAR SEAS		
PN	<u>Arctic Ocean</u>	6668 6669	
	6995 7396		
PS	<u>Southern Ocean</u>		7143
PSE.02	Tasman Sea		7234
L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS		
L.21	<u>American Great Lakes</u>	6651	
	6716 6727 6963		7229
	7230		
L.31	<u>L. Titicaca</u>		7194
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TL:tl

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del residuo seco de las aguas del lago
Valencia (Considerations on the
composition of the dry residue of the
waters of Lake Valencia)

BA 33(4)12745. Two methods of making
an analysis of waters: 1) equivalence
of cations & anions expressed in
milliequivalent weights & 2) weight of
total salts do not always give the
same results.

ba

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lake

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algae are sparse, but where zooplankton
reproduce. Investigation indicates
that some as yet unidentified factor is
either lacking or proscribes the growth
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ba

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(The plankton factor of the "false
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 (Investigations on the radular sheath
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 recent records.

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 Field guide to the shelled gastropoda
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 Variation in Loxothylacus panopaei
 (Gissler), a common sacculinid parasite
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 of Loxothylacus perarmatus, n.sp.

BA 32(8)28789. Morphological & taxonomic
 characteristics from 5 localities in
 Florida, Louisiana, & Texas & from hosts
 representing 3 different spp. of
 Xanthidae. Extent of variability of this
 common rhizocephalan is reported.

:ba

M

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 A review of the genus Coxiella Smith,
 1894, sensu lato.

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 & Coxielladda - Hydrobiidae, mollusca -
 are monographed with descriptions,
 ranges, references & synonymies.

:ba

MF

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The Brazilian species of Drepanotrema -
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.ba

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Ribeiro, 1915 (Blenniidae, Perciformes,
Actinopterygii) (Validity of the
genus Parablennius Ribeiro, 1915 -
Blenniidae, Perciformes, Actinopterygii)

BA 32(8)28966. Regarded as synonymous
with Blennius by Norman.

.ba

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A study of Cantharus multangulus
(Philippi), with notes on Cantharus and
Pseudoneptunea (Gastropoda: Buccinidae)

BA 32(8)28937. Study of specimens from
Bahamas indicates correct name of sp.
known as Muricidea multangula should
be Cantharus multangulus. Synonymy &
description of shell & animals;
discussion of distribution, ecology &
taxonomic history.

.ba

M

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On the breeding of the Indian shad,
Hilsa ilisha (Hamilton) in fresh waters

BA 32(8)28963. Breeding commences in
Ganges with onset of monsoon in July,
peak breeding period from Sept. to Dec.

.ba

MF

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W.Aust.Nat., 5(7):207-9

A new angler fish

BA 32(8)28977. Antennarius glauerti,
Antennariidae, is described from
Exmouth Gulf, Western Australia, on
the basis of coloration, fin-counts,
long first dorsal spine with large
illicium & esca.

.ba

M

Sjabri, S. (1957) 59-8713
Berita Perik., 8(11):171
"Udang" di Sungai Siak (Shrimps in
the River Siak, central Sumatra)

Description of the life-history &
fishing gear. The best crop is obtained
at the beginning of the wet season.
During high-time the shrimps are found
on flocks of sewage, on which they are
supposed to feed. They float along with
the stream & are easily captured. Ill.

FAO:kfv

F

Sachlan, M. (1957) 59-8716
Berita Perik., 8(12):179
"Kapuas-Hulu" daerah Perikanan jang
terdjauh di Pedalaman (The upper
coarse of the River Kapuas, an
extremely remote fisheries region in
the interior of Western Borneo)

Description of a journey along the
river, from Pontianak to Putus Sibau -
910 km -. This area produces about 13
13 500 tons of fish/year, caught only
during August-October, the time the
weather is falling. Ill.

FAO:kfv

F

Muzirin As. (1957) 59-8714
Berita Perik., 8(11):173.
Ikan dujung (The seacow)

Description of the capture-methods,
with spear, net or basket. The meat &
tusks are sold.

FAO:kfv

L

Soedibjo, Sj. (1957) 59-8717
Berita Perik., 8(12):184.
Sedikit tentang Kima (Tridacnidae)
(On certain lamellibranchiates)

Ill. description of genera Tridacna &
Hippopus. Certain spp. are eaten,
either cooked or raw.

FAO:kfv

M

Aminuddin, M. (1957) 59-8715
Berita Perik., 8(11):174.
Pengaruh tachjul dalam segi Perikanan
didaerah Kabupaten Kota Waringin
(On the influence of superstition on
fisheries in the residence Kota Waringin)

Hampala macrolepidota C.V., Pangasius
nasutus Blkr. & Osphronemus goramy Lac.,
readily eaten elsewhere, are supposed
to be harmful here.

FAO:kfv

F

Eddiwan (1957) 59-8718
Berita Perik., 9(1-2):21
The function of fish auction in the
development of fisheries organization

Description of the advantages of a
auction by a fishermen's cooperative
organization in comparison to
regulations from the districts
organizations, which force the
fishermen to sell at certain places
where high duties are collected, up
to 5% of the selling price.

FAO:kfv

MF

Moeljono, (1957) 59-8719
Berita Perik., 9(3-4):42
Arti pengambilan Kepah di Kuala Bagan
Asahan, Sumatra Timur (Collecting
mussels at Kuala Asahan, eastern
Sumatra)

Description of the gear & capturing
methods. Part of the catch is sold
fresh, the remainder is salted & dried -
"krinting". The shells are burned for
lime.

FAO:kfv

M

Basrie, (1958) 59-8722
Berita Perik., 10(2):24
Perikanan rumah pendjara
(Fisheries by prisoners)

In the prison in Bandjar Masin,
S. Borneo, fish ponds are operated.
The fresh water in this region is
subject to ebb & flow. The water-level
is regulated by simple lock-gates.
Besides Trichogaster pectoralis,
Helostoma temmincki & Osphronemus
auramy - the usual fishes in this
region - Tilapia mossambica & common
carp are reared.

FAO kfv

F

Oetomo, S. (1957) 59-8720
Berita Perik., 9(3-4):31
Riwayat dan Perkembangan terakhir ikan
Biawan didaerah Kalimantan Timur
(History and recent development of the
"Kissing Gouramy" in eastern Borneo)

In 1909 Helostoma was introduced in
open waters. After 3 years, capture was
allowed. Export to Java in 1956:
342 351 kg . Also breeds in ponds now.

FAO:kfv

MF

Sukirna, N. (1958) 59-8723
Berita Perik., 10(2):27
Beberapa tjatetan tentang ikan mudjair
dan perkembangannja di Kalimantan
Selatan (Notes on the development
of Tilapia mossambica in Southern
Borneo)

Until 1957 the import of tilapia in
S. Borneo was not allowed, as bad
influence on the existing fish fauna
was feared. Owing to scarcity of fish
in the mountain-regions it was allowed
in 1957. Ponds were constructed &
tilapia grew very well.

FAO:kfv

F

Aryono, (1957) 59-8721
Berita Perik., 9(3-4):36
Pantjing Ladhung di Udjung Timur Pulau
Djawa (An angling gear, called
"Ladhung", used at the east coast of
Java)

Description of the vessel & the gear,
with special reference to construction.

FAO:kfv

M

Suwetja, N. (1958) 59-8724
Berita Perik., 10(2):30
Alat peledak digunakan untuk
penangkapan ikan di daerah Flores
(On the use of explosives in fish
capturing on the Isle of Flores)

In 1957 fisheries with explosives was
very common. Even among fishermen
several casualties occurred. As
evidence seldom could be furnished
persecution was difficult. In 1958 the
military governor enforced prohibition
with marked success.

FAO:kfv

M

Ardiwinata, R.O. (1958) 59-8725
Berita Perik., 10(3-4):
Perikanan ekonomis dan sosial
(Fisheries from an economic and social
point of view)

A consideration of the way in which the
old, regional, economy will have to be
changed into an economy for the whole
country. An analysis of the social
status of the fishermen. Suggestions
to improve capturing methods in order
to increase fish production of the
country.

FAO:kfv

MF

Sanusi, R. (1958) 59-8726
Berita Perik., 10(5):73
Penangkapan ikan pandjang (Anguilla sp.)
dibatang Anai (Sumatra Barat)
(Capture of eels at Batang Anai,
western Sumatra)

Ill. description of the catch of eels
by angling with live fish as bait.

FAO:kfv

MF

Soesanto, V. (1958) 59-8727
Berita Perik., 10(6):79
Perikanan laut di Tandjung Satai
(Sea-fisheries at Tandjung Satai)

Description of a castnet & trap in 4
parts, 3 kinds of boats for castnet-
fisheries, transport of fish from the
traps & of the traps themselves.
Preserving of the product & the making
of fish-sauce from the gills & contents
of the intestines. Ill.

FAO:kfv

M

Soekirna, N. (1958) 59-8728
Berita Perik., 10(6):79
Pemasukan ikan mas ke Kalimantan
Selatan (Introduction of Cyprinus
carpio into Southern Borneo)

In the mountains of Southern Borneo
the inhabitants suffer from a scarcity
of fish. Therefore the Extension
Service introduced common carp from
Java, & instructed the people how to
breed them. People willing to build a
pond were encouraged with an initial
free issue of fry.

FAO:kfv

F

Pena, M. (1958) 59-8729
Berita Perik., 10(7-8):108
Perikanan Buton dikoooperasikan
(Fisheries on the Isle of Buton, near
Celebes, have been organised on a
cooperative basis)

Survey of the activities of the
cooperation, chiefly consisting in
marketing. Data on the amounts of
different spp. marketed & revenues.
Statistics on the export from Makasar.

FAO:kfv

M

Asnan, (1958) 59-8730
Berita Perik., 10(7-8):112
Persuahan "Bubu" diperairan Besuki
(Fisheries with the "Bubu" off Besuki)

Ill. description of a fish trap,
installed on the bottom, about 500
meter from the shoreline. Spp. often
captured are various Lutjanidae.
Discussion of the way these fisheries
may be intensivated.

FAO:kfv

M

Chalid, J.L. (1958) 59-8731
Berita Perik., 10(7-8):117
Tabunganin Selajang Pandjang. Sebuah
kampung nelayan ditepi Sungai Barito
(A fishermen's village at the River
Barito, S. Borneo)

Description of 6 kinds of gear used in
the River Barito & in the surrounding
marshes. A beginning of fish culture
in ponds, Trichogaster trichogaster,
has been made.

FAO:kfv

F

MF

Oetomo, S. (1958) 59-8732
Berita Perik., 10(7-8):120
Tachjul dalam Perikanan
(Superstition in fisheries)

A survey of superstitions in connection
with various spp. of fish & capturing
methods, with an appreciation of
repercussions on the profits of the
industry.

FAO:kfv

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Jenkins, R.M. (1959) 59-8733
Washington, D.C., 80 p.
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alphabetically by authors' names. Those
dated 1957 or later, & not previously
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are given in 59-8734 to 59-8904,
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heading under which they are listed in
this document.

FiB:sjh

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Bali, J.M. (1959) 59-8734
Thesis, Univ. of Oregon St.Coll., 189 p.
Scale analyses of steelhead trout
Salmo gairdneri gairdneri Richardson,
from various coastal watersheds of
Oregon

Age and growth.

Bernhardt, R. (1957) 59-8735
Thesis, Univ. of Syracuse, 93 p.
Growth of the fish in the waters of the
Huntington wildlife forest

Age and growth.

Bruns, P.M. (1958) 59-8736
Thesis, Univ. of Stanford, 83 p.
Seasonal changes in growth of the
bluegill (Lepomis macrochirus) in Felt
Lake

Age & growth.

Bulkley, R.V. (1957) 59-8737
Thesis, Univ. of Utah,
The use of branchiostegal rays to
determine age of lake trout (Salvelinus
namaycush Walbaum)

Age & growth.

F

Hamer, P.E. (1959) 59-8740
Thesis, Rutgers Univ.
Age and growth studies of the bluefish
(Pomatomus saltatrix Linnaeus) of the
New York Bight

Age & growth.

M

Cable, L. (1959) 59-8738
Thesis, Univ. of Michigan
Validity of age determination from
scales and growth of marked Lake
Michigan lake trout

Age & growth.

F

Klavano, W.C. (1958) 59-8741
Thesis, Univ. of Oregon St. Coll.
Age and growth of fish from Oregon, 41p.
farm ponds

Age & growth.

F

Chapman, D.W. (1957) 59-8739
Thesis, Univ. of Oregon St. Coll., 96 p.
Studies of age, growth, and migration
of steelhead trout, Salmo gairdneri, in
the Alsea River, Ore.

Age & growth.

F

Pacheco, A.L. (1957) 59-8742
Thesis, William & Mary Coll., 34 p.
The length and age composition of
spot, Leiostomus xanthurus, in the
pound net fishery of lower Chesapeake
Bay

Age & growth.

M

Schaefer, R.H. (1959) 59-8743
Thesis, Rutgers Univ.
A study of the growth and feeding
habits of the whiting or silver hake,
Merluccius bilinearis (Mitchill) of the
New York Bight

Age & growth.

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Werner, H.V. (1957) 59-8746
Thesis, Univ. of Delaware
A statistical survey of the length of
the gray squeteague or gray sea trout,
Cynoscion regalis

Age & growth.

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Thesis, South Dakota St. Coll., 38 p.
Age and growth determination of the
black bullhead from soft fin rays

Age & growth.

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Ali, M.A. (1958) 59-8747
Thesis, Univ. of British Columbia
The ocular structure, retinomotor and
photo-behavioural responses of
juvenile Pacific salmon

Behavior.

MF

Trenary, J.D. (1958) 59-8745
Thesis, Univ. of Arkansas, 53 p.
Growth of three Centrarchidae in Lake
Fort Smith, Ark.

Age & growth.

F

Dancou, M. (1957) 59-8748
Thesis, Univ. of Massachusetts, 105 p.
An analysis of the New England
fisheries: development, problems, and
policies

Commercial fisheries.

M

Houser, A. (1957) 59-8749
Thesis, Univ. of Oklahoma
A study of the commercial fishery of
Lake Texoma
Commercial fisheries.

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Harms, C.E. (1957) 59-8752
Thesis, Univ. of Kansas, 47 p.
Metazoan parasites of some catfishes
of the genus Ictalurus from north-
eastern Kansas
Diseases & parasites.

F

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Thesis, Alabama Poly.Inst., 72 p.
Preliminary investigations on control
of Microcystis in fish ponds
Diseasea & parasites.

F

Kumar, A.K.Gopi (1958) 59-8753
Thesis, Alabama Poly.Inst., 56 p.
Control of Gyrodactylus sp. on gold-
fish
Diseases & parasites.

F

Estes, R.D. (1957) 59-8751
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The effectiveness of certain fungicides
on gold-fish and gold-fish eggs
Diseases & parasites.

F

Meyer, F.P. (1957) 59-8754
Thesis, Iowa St.Coll., 89 p.
Helminths of fishes from Trumbull
Lake, Clay County, Iowa
Diseases & parasites.

F

Sparks, A.K. (1957) 59-8755
Thesis, Texas A & M Coll.
A study of the geographic distribution
of digenetic trematodes of shallow-
water fishes of the Gulf of Mexico

Diseases & parasites.

Butler, J.R. (1959) 59-8758
Thesis, New Mexico Univ., 30 p.
The development of the Weberian
ossicles in Pantosteus plebeius (Baird
& Girard)

Embryology.

F

Bachop, W.E. (1958) 59-8756
Thesis, Ohio State Univ.
Studies on the developmental anatomy
of Esox masquinongy ohioensis Kirtland

Embryology.

Garside, E.T. (1957) 59-8759
Thesis, Toronto Univ., 60 p.
Some effects of oxygen in relation
to temperature on the development of
embryos of the rainbow trout and
speckled trout

Embryology.

F

Baker, W.D. (1957) 59-8757
Thesis, North Carolina St. Coll., 42 p.
A study of the chromosome number of
some centrarchid fishes

Embryology.

Herman, S.S. (1958) 59-8760
Thesis, Univ. of Rhode Island, 65 p.
The planktonic fish eggs and larvae
of Narragansett Bay

Embryology.

M

Cummings, K.W. (1957) 59-8761
Thesis, Univ. of Michigan, 51 p.
Relationships between food in stomachs
of rainbow trout (Salmo gairdneri) and
lures used in capture

Food habits.

F

Messersmith, J.B. (1958) 59-8764
Thesis, Oregon St. Coll., 42 p.
Food habits of smolt steelhead trout,
Salmo gairdneri gairdneri Richardson,
in the Alsea River

Food habits.

MF

McNaught, D.C. (1957) 59-8762
Thesis, Univ. of Michigan, 25 p.
Comparative food habits of brook trout
(Salvelinus fontinalis) and burbot
(Lota lota) in the Fox River, Michigan

Food habits.

F

Tharratt, R.C. (1957) 59-8765
Thesis, Univ. of Michigan, 23 p.
Food habits of the yellow perch,
Perca flavescens (Mitchill) in
Saginaw Bay, Lake Huron

Food habits.

F

Menzel, D.W. (1957) 59-8763
Thesis, Univ. of Michigan, 75 p.
Utilization of food by the reef fishes
Holacanthus bermudensis and Epinephelus
guttatus

Food habits.

M

Thomas, J.C. (1958) 59-8766
Thesis, Rutgers Univ.
A study of relationships of temperature
to food consumption of the golden
shiner, Notemigonus crysoleucas
crysoleucas (Mitchill), with some
field observations on feeding habits
and rates of growth

Food habits.

F

Anderson, R.O. (1959) 59-8767
Thesis, Univ. of Michigan,
The influence of season and temperature
on growth of the bluegill, Lepomis
macrochirus Rafinesque

Habitat requirements.

F

Renfro, W.C. (1958) 59-8770
Thesis, Univ. of Texas, 54 p.
The effect of salinity on the
distribution of fishes in the
Arkansas River

Habitat requirements.

MF

Gard, R. (1958) 59-8768
Thesis, California Univ..
The effects of beaver on trout in
Sagehen Creek, California

Habitat requirements.

F

Rotschild, B.J. (1959) 59-8771
Thesis, Univ. of Maine, 86 p.
Variables influencing the prolarval
production of the American smelt,
Osmerus mordax (Mitchill), in Dean
Brook, Ellsworth, Maine

Habitat requirements.

F

Horton, D.B. (1958) 59-8769
Thesis, Univ. of Rhode Island, 85 p.
The occurrence and distribution of fish
in upper Pettaquamscutt River as
related to certain chemical and physical
variables

Habitat requirements.

F

Weaver, D. (1958) 59-8772
Thesis, Indiana Univ.
The effects of temperature on the
growth of bluegill sunfish

Habitat requirements.

F

Weber, D.T. (1959) 59-8773
Thesis, Colorado St. Univ.
Effects of reduced stream flows on the
trout fishery below Granby Dam,
Colorado

Habitat requirements.

F

Alexander, E.C. (1958) 59-8776
Thesis, Miami Univ., 136 p.
A contribution to the life history,
biology, and geographical distribution
of the bonefish, Albula vulpes
(Linnaeus)

Life history - Ecology.

M

Whitmore, C.M. (1957) 59-8774
Thesis, Oregon St. Coll., 68 p.
Avoidance reactions of some salmonid
and centrarchid fishes to low
concentrations of dissolved oxygen

Habitat requirements.

MF

Alexander, J.E. (1957) 59-8777
Thesis, Miami Univ., 80 p.
A contribution to the life history of
Sternoptyx diaphana Hermann and
Argyropelecus slodeni Regan

Life history - Ecology.

M

Adams, J.A. (1958) 59-8775
Thesis, Miami Univ., 67 p.
A contribution to the biology and
postlarval development of the
Sargassum fish, Histrio histrio
(Linnaeus), with a discussion of the
Sargassum complex

Life history - Ecology.

M

Buchholz, M.M. (1957) 59-8778
Thesis, Iowa St. Coll., 45 p.
Life history of the river carpsucker
(Carpionodes c. carpio), in the Des
Moines River, Boone County, Iowa

Life history - Ecology.

F

Carnes, W.O., Jr. (1958) 59-8779
Thesis, North Carolina St. Coll., 69 p.
Contributions to the biology of the
eastern creek chubsucker Erimyzon
oblongus oblongus (Mitchill)

Life history - Ecology.

F

Dietsch, E.L. (1959) 59-8782
Thesis, Univ. of California
The ecology and food habits of the
sculpin (Cottus beldingi) in relation
to the eastern brook trout
(Salvelinus fontinalis)

Life history - Ecology.

F

Conover, N. (1958) 59-8780
Thesis, North Carolina St. Coll., 58 p.
Investigations of the white perch,
Morone americana (Gmelin), in Albemarle
Sound and the Lower Roanoke River,
N.C.

Life history - Ecology.

MF

Eisler, R. (1957) 59-8783
Thesis, Univ. of Washington, 68 p.
Some effects of visible light on
hatching, mortality, & early growth
of salmonoids

Life history - Ecology.

MF

de Sylva, D.P. (1958) 59-8781
Thesis, Cornell Univ., 374 p.
The life history and systematics of the
great barracuda, Sphyraena barracuda
(Walbaum)

Life history - Ecology.

M

Franklin, D.R. (1959) 59-8784
Thesis, Univ. of Minnesota
Some phases of the early life
history of the northern pike, Esox
lucius L., with special reference to
the factors influencing the numerical
strength of year classes

Life history - Ecology.

F

Gibson, G.G. (1957) 59-8785
Thesis, Univ. of Toronto, 86 p.
A study of beaver colonies in southern
Algonquin Park, Ontario, with
particular reference to available food
Life history - Ecology.

F

Harmic, J.L. (1958) 59-8788
Thesis, Univ. of Delaware
Some aspects of the development and
the ecology of the pelagic phase of
the gray sequeteague, Cynoscion
regalis (Bloch and Schneider) in the
Delaware River estuary

Life history - Ecology.

LF

Gordon, W.G. (1957) 59-8786
Thesis, Univ. of Michigan, 31 p.
Biology of the American smelt, Omerus
mordax (Mitchill) of Saginaw Bay, Lake
Huron

Life history - Ecology.

F

Hartman, W.L. (1958) 59-8789
Thesis, Cornell Univ., 104 p.
Biology and vital statistics of
rainbow trout in the Finger Lakes
region, New York

Life history - Ecology.

F

Gross, R.W. (1959) 59-8787
Thesis, Rutgers Univ.
A study of the alewife, Alosa
pseudoharengus (Wilson) in some New
Jersey lakes, with special reference
to Lake Hopatcong

Life history - Ecology.

MF

Magnuson, J.J. (1958) 59-8790
Thesis, Univ. of Minnesota
Some phases of the life history of
troutperch, Percopsis omiscomaycus
(Walbaum), in lower Red Lake,
Minnesota

Life history - Ecology.

F

McCann, J. (1958) 59-8791
Thesis, Iowa St. Coll., 63 p.
Life history of spottail shiner
(Notropis hudsonius), Clear Lake,
Iowa

Life history - Ecology.

F

Mount, D.I. (1957) 59-8794
Thesis, Ohio State Univ.
A study on the life history of the
bluebreast darter, Etheostoma
camnrum (Cope)

Life history - Ecology.

F

McKenney, T.W. (1958) 59-8792
Thesis, Univ. of Miami, 55 p.
A contribution to the life history of
the squirrel fish Holocentrus
vexillarius Poey

Life history - Ecology.

Muncy, R.J. (1957) 59-8795
Thesis, Iowa State Coll., 118 p.
Distribution and movements of channel
and flathead catfish in Des Moines
River, Boone County, Iowa

Life history - Ecology.

F

Meiser, A.L. (1958) 59-8793
Thesis, Univ. of Maine, 151 p.
The Atlantic salmon, Salmo salar
Linnaeus, of Cove Brook, Winterport,
Maine

Life history - Ecology.

MF

Platts, W.S. (1958) 59-8796
Thesis, Utah St. Univ.,
The natural reproduction of the
cutthroat trout, Salmo clarki
Richardson, in Strawberry Reservoir,
Utah

Life history - Ecology.

F

Rehder, D.D. (1959) 59-8797
Thesis, Iowa St. Coll., 77 p.
Some aspects of the life history of the
carp, Cyprinus carpio in the Des
Moines River, Boone County, Iowa

Life history - Ecology.

F

Stevenson, R.A., Jr. (1958) 59-8800
Thesis, Univ. of Delaware
The biology of the anchovies Anchoa
mitchilli mitchilli Cuvier and
Valenciennes 1848 and Anchoa hepsetus
hepsetus Linnaeus 1758 in Delaware Bay

Life history - Ecology.

M

Schmulbach, J.C. (1957) 59-8798
Thesis, So. Illinois Univ.
The life history of the central
stoneroller Campostoma anomalum pullum
Agassiz

Life history - Ecology.

F

Westrheim, S.J. (1958) 59-8801
Thesis, Univ. of Washington, 106 p.
On the biology of the Pacific Ocean
perch, Sebastes alutus (Gilbert)

Life history - Ecology.

M

Speare, E.P. (1958) 59-8799
Thesis, Michigan St. Univ.
The ecology, age and growth rate of the
central johnny darter, Etheostoma
nigrum nigrum (Rafinesque) Augusta
Creek, Mich.

Life history - Ecology.

F

Foster, D.I. (1957) 59-8802
Thesis, Univ. of Missouri, 92 p.
Studies of the bottom fauna of two
south central Missouri streams, the
Niangua River and the Big Piney River

Limnology - Bottom fauna.

F

Marland, F. (1958) 59-8803
Thesis, Texas A. & M. Coll.
An ecological study of the benthic
macrofauna of Matagorda Bay, Texas

Limnology - Bottom fauna.

L

Bratt, A.D. (1957) 59-8806
Thesis, Michigan St. Univ.
A qualitative study of the
invertebrate population of Park Lake,
Clinton Co., Mich.

Limnology - Comprehensive survey &
miscellaneous.

F

Nelson, D.J. (1958) 59-8804
Thesis, Univ. of Georgia
The standing crop and productivity of
a rock outcrop in the middle Oconee
River, Georgia

Limnology - Bottom fauna.

F

Crowell, R.M. (1957) 59-8807
Thesis, Ohio St. Univ.
The taxonomy, distribution, and
developmental stages of water mites
collected in central and north-
central Ohio

Limnology - Comprehensive survey &
miscellaneous.

F

Smart, E.W. (1958) 59-8805
Thesis, Utah St. Univ.
An ecological study of the bottom
fauna of Bear Lake, Idaho and Utah

Limnology - Bottom fauna.

F

Goldman, C. (1958) 59-8808
Thesis, Univ. of Michigan
Primary productivity and limiting
factors in three lakes of the
Alaska Peninsula

Limnology - Comprehensive survey &
miscellaneous.

F

Hauptman, A.W. (1958) 59-8809
Thesis, Univ. of Alberta, 58 p.
Winter conditions in three lakes with
special reference to dissolved oxygen

Limnology - Comprehensive survey &
miscellaneous.

F

Hoskin, C.M. (1957) 59-8812
Thesis, Duke Univ., 46 p.
Oxygen metabolism of some North
Carolina streams and ponds

Limnology - Comprehensive survey &
miscellaneous.

F

Hoese, H.D. (1959) 59-8810
Thesis, Texas A. & M. Coll.
Hydrographic and ecological studies
in Mesquite Bay and Cedar Bayou, Texas

Limnology - Comprehensive survey &
miscellaneous.

M

Kendle, E.R. (1958) 59-8813
Thesis, Oregon St. Coll., 56 p.
Limnology of selected Oregon farm fish
ponds

Limnology - Comprehensive survey &
miscellaneous.

F

Hornuff, L.E., Jr. (1957) 59-8811
Thesis, Univ. of Oklahoma
A survey of four Oklahoma streams with
reference to production

Limnology - Comprehensive survey &
miscellaneous.

F

McConnell, W.J. (1958) 59-8814
Thesis, Utah St. Univ.
Chlorophyll and productivity in a
mountain river

Limnology - Comprehensive survey &
miscellaneous.

F

Phelps, D.K. (1958) 59-8815
Thesis, Univ. of Rhode Island, 56 p.
A quantitative study of the infusoria
of Narragansett Bay in relation to
certain physical and chemical aspects
of their environment

Limnology - Comprehensive survey &
miscellaneous.

Wildole, R. (1957) 59-8818
Thesis, Michigan Univ.
Studies of the marine algae of the
Labrador Peninsula and northwest
Newfoundland

Limnology - Comprehensive survey &
miscellaneous.

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Ruggles, P.C. (1959) 59-8816
Thesis, Univ. of Saskatchewan, 83 p.
The nutritive ecology of Lac La Bonge
and Canoe Lake

Limnology - Comprehensive survey &
miscellaneous.

Wetzel, R.G. (1959) 59-8819
Thesis, Michigan Univ.
quantitative analysis of marl
deposition by hydrophytes

Limnology - Higher aquatic
vegetation.

F

F

Wiggins, G.B. (1958) 59-8817
Thesis, Univ. of Toronto, 156 p.
A study of the systematics of the
Phryganeidae of the world (Insecta:
Trichoptera)

Limnology - Comprehensive survey &
miscellaneous.

Brohmer, W. (1958) 59-8820
Thesis, Michigan St. Univ.
A study of nutrient accrual, uptake
and regeneration as related to
primary production in a warm-water
stream

Limnology - Physicochemical.

F

Parke, M. (1959) 59-8821
Thesis, North Carolina Univ.
Vitamin B¹² and carbohydrate in
University Lake

Limnology - Physicochemical.

F

Henderson, J.C. (1958) 59-8824
Thesis, Texas A. & M. Coll.
A preliminary study of the distribution
of some copepods in upper Laguna Madre

Limnology - Plankton.

MF

Savoy, D. (1957) 59-8822
Thesis, Ohio St. Univ.
Sedimentary processes along the Lake
Erie shore at Magee Marsh, Ohio

Limnology - Physicochemical.

F

Jackson, D. (1957) 59-8825
Thesis, Cornell Univ., 210 p.
Phytoplankton photosynthesis as an
index of primary productivity

Limnology - Plankton.

MF

Clark, W.J. (1958) 59-8823
Thesis, Utah St. Univ.
The phytoplankton of the Logan River,
Utah, a mountain stream

Limnology - Plankton.

F

Lang, N.J. (1958) 59-8826
Thesis, Ohio St. Univ.
Phytoplankton population to certain
physical features of Hoover Memorial
Dam and of the immediate downstream
area

Limnology - Plankton.

F

Norman, M.B. (1957) 59-8827
Thesis, North Texas St. Coll.
A technique for the mass culture of
aquatic actinomycetes
Limnology - Plankton.

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Yang, W.T. (1957) 59-8830
Thesis, Univ. of Miami, 101 p.
A systematic study of the hyperiidcan
amphipoda of the families Hypertiidae,
Dairellidae, and Phrosinidae in the
Florida current
Limnology - Plankton.

M

Small, L.F. (1959) 59-8828
Thesis, Iowa St. Coll., 67 p.
Estimates of standing crop of plankton
in Clear Lake, Iowa
Limnology - Plankton.

F

Altman, R.W. (1959) 59-8831
Thesis, Oklahoma St. Univ.
Harvest of warm water fish with
implications of other management
techniques through supplemental
feeding
Management technique evaluation.

F

Tash, J.C. (1959) 59-8829
Thesis, Univ. of Kansas, 52 p.
A seasonal survey of the vertical
movements of some zooplankters in a
Kansas lake
Limnology - Plankton.

F

Correll, D.L. (1958) 59-8832
Thesis, Michigan St. Univ., 40 p.
Alteration of the productivity of a
trout stream by the addition of
phosphate
Management technique evaluation.

F

Davis, W.J. (1958) 59-8833
Thesis, Univ. of Kansas, 100 p.
Management of channel catfish in
Kansas

Management technique evaluation.

F

Hutchinson, J.A. (1957) 59-8836
Thesis, Alabama Poly. Inst., 93 p.
Costs and returns from selected ponds
in Lee County

Management technique evaluation.

F

Hunn, J.B. (1957) 59-8834
Thesis, Michigan St. Univ., 57 p.
Methods for the control of stunted
panfish populations

Management technique evaluation.

F

Keup, L.E. (1958) 59-8837
Thesis, Michigan St. Univ.
Biological responses of fertilization
in a lake and stream

Management technique evaluation.

F

Huston, J.E. (1959) 59-8835
Thesis, Colorado St. Univ.
Harvest of hatchery-reared catchable-
size rainbow trout from a controlled
section of stream

Management technique evaluation.

F

Leedy, D.J. (1957) 59-8838
Thesis, Ohio St. Univ.
A survey of farm pond management in
two Ohio counties

Management technique evaluation.

F

Lux, F.E. (1958) 59-8839
Thesis, Univ. of Minnesota
An investigation of the causes of
seasonal changes in angler success in
Linwood Lake, Minnesota

Management technique evaluation.

F

Plosila, D. (1958) 59-8842
Thesis, Michigan St. Univ.
An evaluation of lake production
following artificial enrichment

Management technique evaluation.

F

Neth, P.C. (1959) 59-8840
Thesis, Cornell Univ., 153 p.
Reduction of whitefish populations in
an Adirondack salmon lake: an effort
towards increased production of young

Management technique evaluation.

MF

Schoumacher, R. (1959) 59-8843
Thesis, Michigan Univ., 61 p.
A survey of catch-out ponds in the
United States

Management technique evaluation.

F

Paetz, M.J. (1957) 59-8841
Thesis, Univ. of Alberta, 58 p.
The management of trout streams on the
east slopes of the Rocky Mountains in
Alberta

Management technique evaluation.

F

Stross, R.C. (1958) 59-8844
Thesis, Univ. of Wisconsin, 125 p.
Experimentally induced changes in
lakes: a) environmental changes
following lime-application to stained
lakes. b) Changes in the plankton
crustacea following the introduction of
trout to a fish-free lake

Management technique evaluation.

F

Van Wyhe, G.L. (1958) 59-8845
Thesis, South Dakota St. Coll., 30 p.
Evaluation of walleye fingerling plants
in Lake Darling, North Dakota

Management technique evaluation.

Williams, W.E. (1957) * * 59-8848
Thesis, Michigan St. Univ.
Creel returns of catchable rainbow
trout (Salmo gairdnerii) and brown
trout (Salmo trutta) from Augusta
Creek, Michigan

Management technique evaluation.

F

F

Wahl, R.W. (1958) 59-8846
Thesis, Cornell Univ., 42 p.
Efficiency of chicken-wire traps in
New York farm ponds containing
largemouth bass and bluegill sunfish

Management technique evaluation.

Hilton, J.W. (1958) 59-8849
Thesis, San Diego St. Coll., 56 p.
The effect of copper sulfate on
angling success

Management technique evaluation.

F

F

Whalls, M.J. (1957) 59-8847
Thesis, Univ. of Michigan, 48 p.
Evaluation of brook trout planting in
East Fish Lake, Montmorency County,
Mich.

Management technique evaluation.

Wright, T.W. (1957) 59-8848
Thesis, Alabama Poly. Inst., 47 p.
The rates of dissipation of certain
retene preparations, their residual
effects on bluegill production, and
their effects on populations of fish-
food organisms

Management technique evaluation.

F

F

McFarland, W.N.. (1959) 59-8851
Thesis, Univ. of California, Los Angeles, 209 p.
A study of general anesthesia in teleosts with a discussion of its implications to the transportation of fishes

Methodology - Technique development.

MF

Zurbuch, P.E. (1957) 59-8854
Thesis, Michigan Univ., 13 p.
Contributions to the methodology of estimating fish populations in warm-water streams

Methodology - Technique development.

F

Muench, B. (1957) 59-8852
Thesis, Southern Illinois Univ.
The screening of compounds to find a drug suitable for use on fish populations

Methodology - Technique development.

F

Al-Saadi, A.M. (1959) 59-8855
Thesis, Kansas Univ., 34 p.
Comparative osteology of the centrarchid fishes, Ambloplites rupestris, Archoplites interruptus, and Pomoxis nigromaculatus

Morphology.

F

Myreberg, A.A., Jr. (1958) 59-8853
Thesis, Illinois Univ.
The use of photoelectric eye in the measurement of locomotor activity of fishes

Methodology - Technique development.

MF

Atz, J. (1959) 59-8856
Thesis, New York Univ.
Morphological and genetic studies on the pigmentary patterns of xiphophorin fishes and their hybrids

Morphology.

F

Branson, B. (1957) 59-8857
Thesis, Oklahoma St. Univ.
The lateral-line system of the
centrarchid fish, Elassoma zonatum
(Jordan)

Morphology.

F

Munz, F.W. (1957) 59-8860
Thesis, Univ. of California, Los
Angeles, 171 p.
The photosensitive retinal pigments
of marine and euryhaline teleost
fishes

Morphology.

MF

Chipman, R.K. (1958) 59-8858
Thesis, Tulane Univ., 59 p.
Morphological variation of Cyprinodon
variegatus (Cyprinodontidae)
correlated with salinity of habitat

Morphology.

MF

Robertson, W.V. (1959) 59-8861
Thesis, Texas A. & M. Coll.
The osteology of Brevoortia patronus
and Brevoortia gunteri (Pisces,
Clupeidae)

Morphology.

M

Kallman, K.D. (1959) 59-8859
Thesis, New York Univ.
The genetics of fin transplantation in
the platyfish Xiphophorus maculatus

Morphology.

F

Bernstein, J.J. (1957) 59-8862
Thesis, Univ. of Michigan
Wavelength discrimination in the
goldfish. (Carassius auratus Linn.)

Physiology.

F

Bernstein, J.J. (1959) 59-8863
Thesis, Univ. of Michigan
The effect of forebrain ablation on
visual discrimination in fish

Physiology.

MF

Juliano, R.O. (1957) 59-8866
Thesis, Stanford Univ.
The metabolism of the bluegill,
Lepomis macrochirus

Physiology.

F

Bjorklund, R.G. (1958) 59-8864
Thesis, Univ. of Michigan, 156 p.
The biological function of the thyroid
and the effect of length of day on the
growth and maturation of the goldfish
Carassius auratus (Linnaeus)

Physiology.

F

Kelly, P.B. (1958) 59-8867
Thesis, Texas A. & M. Coll.
An investigation of the origin and
metabolism of the polyunsaturated fatty
acids found in aquatic organisms

Physiology.

MF

Greer, A.J. (1958) 59-8865
Thesis, Stanford Univ., 41 p.
Some factors affecting the respiration
of the bluegill Lepomis macrochirus
(Centrarchidae)

Physiology.

F

Neuhold, J.M. (1958) 59-8868
Thesis, Utah St. Univ.
The effects of sodium fluoride on carp
and rainbow trout

Physiology.

F

Proctor, C.M. (1958) 59-8869
Thesis, Texas A. & M. Coll.
Model studies on the effect of
certain factors of the marine
environment on enzyme activity.

M

Neil, J.H. (1957) 59-8872
Thesis, Univ. of Toronto, 30 p.
Some effects of potassium cyanide on
speckled trout (Salvelinus fontinalis)
Pollution.

F

Williams, B. (1957) 59-8870
Thesis, Western Reserve Univ., 38 p.
The influences of metabolic wastes
(ammonia, ions, and urea) on the growth
of Trichogaster leeri
Physiology.

F

Quinn, B.G. (1958) 59-8873
Thesis, Univ. of Utah, 90 p.
Effects of sugar beet wastes upon
the periphyton of the Jordan River,
Salt Lake County, Utah
Pollution.

F

Fryer, J. (1957) 59-8871
Thesis, Oregon St. Coll., 50 p.
Toxicity of some new herbicides to fish
Pollution.

F

Walker, C.R. (1957) 59-8874
Thesis, So. Illinois Univ.
A consideration of the physio-
chemical characteristics of the Big
Muddy River and its tributaries and
special emphasis on the pollution
problem.
Pollution.

F

Webb, W.E. (1958) 59-8875
Thesis, Oregon St. Coll.; 53 p.
Preliminary studies to determine the
nature of the principal toxic
constituents of Kraft pulp mill waste
Pollution.

F

Crossman, E.J. (1958) 59-8878
Thesis, Univ. of British Columbia
Factors involved in the predator-prey
relationship of rainbow trout (Salmo
gairdneri Richardson) and reidside
shiners (Richardsonius balteatus
Richardson) in Paul Lake, British
Columbia

Population dynamics.

F

Burgner, R.L. (1958) 59-8876
Thesis, Univ. of Washington, 200 p.
A study of fluctuations in abundance,
growth, and survival in the early life
stages of the red salmon (Oncorhynchus
nerka Walbaum) of the Wood River Lakes,
Bristol Bay, Alaska

Population dynamics.

MF

El-Zarka, S. (1957) 59-8879
Thesis, Univ. of Michigan, 159 p.
Fluctuations in the population
structure of yellow perch, Perca
flavescens (Mitchill) Saginaw Bay,
Lake Huron

Population dynamics.

F

Christenson, L.M. (1957) 59-8877
Thesis, Univ. of Minnesota
Some characteristics of the fish
populations in backwater areas of the
upper Mississippi River

Population dynamics.

F

Harner, W.H. (1958) 59-8880
Thesis, Ohio St. Univ.
Interspecific association studies of
some fishes of the western basin of
Lake Erie, the shore waters, and
tributary streams

Population dynamics.

F

Menasveta, D. (1958) 59-8881
Thesis, Univ. of Washington, 84 p.
Migration and fishing mortality of
English sole (Parophrys vetulus) in
Saratoga Passage, and adjacent waters

Population dynamics.

M

Gordon, B.L. (1958) 59-8884
Thesis, Univ. of Rhode Island, 131 p.
The marine fishes of Rhode Island

Survey, general fishery.

M

Rabe, F.W. (1957) 59-8882
Thesis, Colorado St. Univ.
Brook trout populations in Colorado
beaver ponds

Population dynamics.

F

Meehan, W.R. (1953) 59-8885
Thesis, Michigan St. Univ.
The distribution and growth of fish
in the Red Cedar River drainage in
relation to habitat and volume of flow

Survey, general fishery.

F

Salyer, J.T. (1959) 59-8883
Thesis, San Diego St. Coll., 103 p.
Factors associated with the decline of
the largemouth bass in San Vincente
Lake, San Diego Co., Calif.

Population dynamics.

F

Orr, O.E. (1958) 59-8886
Thesis, Oklahoma St. Univ.
The populations of fishes and
limnological conditions of Heyburn
Reservoir with reference to
productivity

Survey, general fishery.

F

Barlow, G.W. (1958) 59-8887
Thesis, Univ. of California, Los Angeles, 219 p.
Geographic variations in the morphology and physiology of the gobiid fishes of the genus Gillichthys

Systematics, distribution.

M

Cole, C.F. (1957) 59-8890
Thesis, Cornell Univ., 366 p.
The taxonomy of the percid fishes of the genus Etheostoma, subgenus Boleosoma, of eastern United States

Systematics, distribution.

F

Cavanah, H.S. (1959) 59-8888
Thesis, Univ. of Louisville
Some comparative measurements in two populations of freshwater drum, Aplodinotus grunniens Rafinesque

Systematics, distribution.

F

Fingerman, S.W. (1959) 59-8891
Thesis, Tulane Univ., 88 p.
A systematic study of Nautopaedium porosissimum (Valenciennes)

Systematics, distribution.

M

Cohen, D.M. (1957) 59-8889
Thesis, Stanford Univ., 294 p.
Contribution to a classification of the fishes of the suborder Opisthoproctoidei

Systematics, distribution.

M

Hansler, D.J. (1958) 59-8892
Thesis, Univ. of Washington, 102 p.
Some effects of artificial selection upon stock of cutthroat trout, Salmo clarkii clarkii, with related hybridization studies

Systematics, distribution.

F

Heard, W.R. (1959) 59-8893
 Thesis, Oklahoma St. Univ.
 Studies in the genus Ictiobus
 (Buffalofishes)
 Systematics, distribution.

F

Ladd, E.C. (1958) 59-8896
 Thesis, Coll. of William & Mary, 29 p.
 A comparative study of meristic
 variation in the American eel (Anguilla
rostrata) and Atlantic anchovy
 (Anchoa mitchilli)
 Systematics, distribution.

MF

Joseph, E. (1957) 59-8894
 Thesis, Florida St. Univ., 86 p.
 A study of the systematics and life
 history of the Gulf pipefish,
Syngnathus scovelli (Evermann and
 Kendall)
 Systematics, distribution.

M

Maginsky, R.B. (1958) 59-8897
 Thesis, Univ. of Pittsburgh
 A study of the effects of light on
 the meristic characters of the zebre
 fish Brachydanio rerio
 Systematics, distribution.

F

Knapp, L.W. (1958) 59-8895
 Thesis, Univ. of Missouri, 46 p.
 A distribution study of the fishes of
 the upper White River, Missouri
 Systematics, distribution.

F

Miller, R.J. (1958) 59-8898
 Thesis, Tulane Univ., 100 p.
 A review of the genus Centropristes
 Systematics, distribution.

M

Moffett, A.W. (1957) 59-8899
Thesis, Univ. of Miami, 102 p.
A key to some southern Florida fishes
based on vertebral characters

Systematics, distribution,

M

Rosen, D.E. (1959) 59-8902
Thesis, New York Univ.
A systematic revision of the genus
Xiphophorus (Pisces, Cyprinodontiformes)

Systematics, distribution.

F

Murawski, W.S. (1958) 59-8900
Thesis, Cornell Univ., 80 p.
Comparative study of populations of
the striped bass, Roccus saxatilis
(Walbaum), based on lateral-line scale
counts

Systematics, distribution.

F

Springer, V.G. (1957) 59-8903
Thesis, Texas Univ., 226 p.
Systematics and zoogeography of the
clinid fishes of the subtribe
Latrisomini Hubbs

Systematics, distribution.

M

Randall, J.F. (1958) 59-8901
Thesis, Univ. of South Carolina
The distribution of fishes of the
Catawba-Wateree River drainage basin,
North Carolina and South Carolina

Systematics, distribution.

F

Stegman, J.E. (1957) 59-8904
Thesis, So. Illinois Univ.
The fishes of Kinkaid Creek, Illinois

Systematics, distribution.

F

U.N. Conference on the Law 59-8905
of the Sea - Geneva, 24 February-
27 April 1958 (1959)
Netherlands, 340 p.
Official records - Volume I:
preparatory documents

Contains 59-8906 to 59-8916.

FAO:

M

van Cleve, R. (1959)

59-8908

In 59-8905:47-63

The economic and scientific basis
of the principle of abstention

FAO:

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U.N. Secretariat (1959) 59-8906

In 59-8905:38 p.

Historic bays - Memorandum

Orig. paper in French.

FAO:

M

Anonymous (1959)

59-8909

In 59-8905:75-113

Comments by governments on the draft
articles concerning the law of the sea
adopted by the International Law
Commission at its eighth session

Orig. paper in various languages.

FAO:

M

UNESCO. Secretariat (1959) 59-8907

In 59-8905:39-46

Scientific considerations relating to
the continental shelf - Memorandum

FAO:

M

Kennedy, R.H. (1959)

59-8910

In 59-8905:114-64

A brief geographical and hydro-
graphical study of straits which
constitute routes for international
traffic

FAO:

M

U.N. Secretariat (1959) 59-8911
In 59-8905:165-8
The relation between the articles concerning the law of the sea adopted by the International Law Commission and international agreements dealing with the suppression of the slave trade

FAO: M

Kennedy, R.H. (1959) 59-8914
In 59-8905:198-243
A brief geographical and hydro-graphical study of bays and estuaries, the coasts of which belong to different states

FAO: M

FAO (1959) 59-8912
In 59-8905:176-86
Technical particulars concerning the methods of fishing conducted by means of equipment embedded in the floor of the sea

FAO: M

FAO (1959) 59-8915
In 59-8905:245-87
The economic importance of the sea fisheries in different countries

FAO: M

FAO (1959) 59-8913
In 59-8905:187-97
Examination of living resources associated with the sea bed of the continental shelf with regard to the nature and degree of their physical and biological association with such sea bed

FAO: M

Evensen, J. (1959) 59-8916
In 59-8905:289-302
Certain legal aspects concerning the delimitation of the territorial waters of archipelagos

FAO: M

U.N. Conference on the Law 59-8917
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
Netherlands, 147 p.
Official records - Volume II: plenary
meetings

Annex gives texts of final act,
optional protocol, resolutions of
conventions on territorial sea &
contiguous zone, high seas, fishing
& conservation of the living resources
of the high seas, continental shelf.

FAO:sjh

M

U.N. Conference on the Law 59-8920
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
Netherlands, 162 p.
Official records - Volume V: third
committee (high seas: fishing:
conservation of living resources)

FAO:

M

U.N. Conference on the Law 59-8918
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
Netherlands, 261 p.
Official records - Volume III: first
committee (territorial sea and
contiguous zone)

FAO:

M

U.N. Conference on the Law 59-8921
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
Netherlands, 144 p.
Official records - Volume VI: fourth
committee (continental shelf)

FAO:

M

U.N. Conference on the Law 59-8919
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
Netherlands, 153 p.
Official records - Volume IV: second
committee (high seas: general régime)

FAO:

M

U.N. Conference on the Law 59-8922
of the Sea - Geneva, 24 February-
24 April 1958 (1958)
Netherlands, 87 p.
Official records - Volume VII: fifth
committee (question of free access to
the sea of land-locked countries)

FAO:

M

Rivière, A. & 59-8923
 S. Vernhet (1959)
C.R.Acad.Sci., Paris, 249:1546-7
 Sur les courants de retour (undertows)
 (On undertows)

Observations of movements of Ruppia debris; typical undertows caused by winds moving water along shore when not deviated by stronger hydrodynamic phenomena such as rip currents & mass transport by waves.

FAO:sjh

MG

James, A.N. (1958) 59-8926
Bull.Inst.Phys., 9(8):182-8
 The statistician and sample testing

lw

G

Dechancé, M. & 59-8924
 J.-P. Dufaure (1959)
C.R.Acad.Sci., Paris, 249:1566-8
 Une nouvelle association entre une actinie et un pagure (A new association between an actinian and a paguran)

Observations at Banyuls-sur-Mer of symbiosis between Anapagurus laevis and Paracalliactis lacazei, sp. nov., Hormathiidae, 4 other spp. of Paracalliactis are associated with Parapagurus spp. in NE Atlantic, Equatorial Pacific, & W. Indian Ocean.

FAO:sjh

M

Hoffman, G.L. & 59-8927
 J.B. Hoyme (1958)
J.Parasit., 44(4):374-8
 The experimental histopathology of the "tumour" on the brain of the stickleback caused by Diplostomum baeri eucaliae Hoffman and Hundley, 1957 (Trematoda: Strigeoidea)

M

Charniax-Cottom, H. (1959) 59-8925
C.R.Acad.Sci., Paris, 249:1580-2
 Masculinisation des femelles de la crevette à hermaphrodisme protérandrique Lyasmata seticaudata, par greffe glandes androgènes. Interprétation de l'hermaphrodisme chez les décapodes. Note préliminaire (Masculinization of the female protandric hermaphrodite prawn Lyasmata seticaudata, by grafting of androgenous glands. Interpretation of hermaphroditism in decapods. Preliminary note)

Study with reference also to Pandalus & Orchestia.

FAO:sjh

M

Hoffman, G.L. (1958) 59-8928
J.Parasit., 44(2):229
 Experimental infection with strigeoid cercariae

M

U.N. Conference on the Law 59-8929
of the Sea - Geneva, 24 February-
27 April 1958 (1959)
France, 341 p.
Documents officiels - Volume I:
documents préparatoires

Fr version of 59-8905.

FAO:

M

U.N. Conference on the Law 59-8932
of the Sea, Geneva, 24 February-
27 April 1958 (1958)
France, 183 p.
Documents officiels - Volume V:
troisième commission (haute mer:
pêche, conservation des ressources
biologiques)

Fr version of 59-8920.

FAO:

M

U.N. Conference on the Law 59-8930
of the Sea, Geneva, 24 February-
27 April 1958 (1958)
Netherlands, 285 p.
Documents officiels - Volume III:
première commission (mer territoriale
et zone contiguë)

Fr version of 59-8918.

FAO:

M

U.N. Conference on the Law 59-8933
of the Sea, Geneva, 24 February-
27 April 1958 (1958)
France, 164 p.
Documents officiels - Volume VI:
quatrième commission (plateau
continental)

Fr version of 59-8921.

FAO:

M M

U.N. Conference on the Law 59-8931
of the Sea, 24 February-
27 April 1958 (1958)
France, 163 p.
Documents officiels - Volume IV:
deuxième commission (haute mer:
régime général)

Fr version of 59-8919.

FAO:

M

U.N. Conference on the Law 59-8934
of the Sea, Geneva, 24 February-
27 April 1958 (1958)
France, 92 p.
Documents officiels - Volume VII:
cinquième commission (question du
libre accès à la mer des pays sans
littoral)

Fr version of 59-8922.

FAO:

M

U.N. Conference on the Law 59-8935
of the Sea - Geneva, 24 February-
27 April 1958 (1959)
Netherlands, 360

Documentos oficiales - Volumen I:
documentos preparatorios

Es version of 59-8905.

FAO:

U.N. Conference on the Law 59-8938
of the Sea - Geneva, 24 February-
27 April 1958 (1959)
France, 183 p.

Documentos oficiales - Volumen V:
tercera comisión (alta mar: pesca,
conservación de los recursos vivos)

Es version of 59-8920.

FAO:

M

U.N. Conference on the Law 59-8936
of the Sea - Geneva, 24 February-
27 April 1958 (1958)

Belgium, 253 p.

Documentos oficiales - Volumen III:
primera comisión (mar territorial y
zona contigua)

Es version of 59-8918.

FAO:

M

U.N. Conference on the Law 59-8939
of the Sea - Geneva, 24 February-
27 April 1958 (1959)

France, 163 p.

Documentos oficiales - Volumen VI
cuarta comisión (plataforma continental)

Es version of 59-8921.

FAO:

M

U.N. Conference on the Law 59-8937
of the Sea - Geneva, 24 February-
27 April 1958 (1958)

Belgium, 147 p.

Documentos oficiales - Volumen IV:
segunda comisión (alta mar: régimen
general)

Es version of 59-8919.

FAO:

M

U.N. Conference on the Law 59-8940
of the Sea - Geneva, 24 February-
27 April 1958 (1958)

Belgium, 84 p.

Documentos oficiales - Volumen VII:
quinta comisión (cuestión del libre
acceso al mar de los países sin
litoral)

Es version of 59-8922.

FAO:

M

U.N. Conference on the Law 59-8941
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
France, 166 p.
Documents officiels - Volume II:
séances plénières

Fr version of 59-8917.

FAO:

M

ICNAF (1959) 59-8944
mimeo, 2 p.
Notes from the special meeting on the
program on fishery assessment in
relation to regulation problems held
in Copenhagen, 9 October, 1959

Notes on the organization of this
work in NW Atlantic.

FiB:sjh

M

U.N. Conference on the Law 59-8942
of the Sea - Geneva, 24 February-
27 April 1958 (1958)
France, 167 p.
Documentos oficiales - Volumen II:
sesiones plenarias

Es version of 59-8917.

FAC:

M

Martínez-Hidalgo y 59-8945
Terán, J.M. (Ed.) (1957)
Madrid, Ediciones Garriga, S.P., 953 p.
Enciclopedia general del mar -
Primer volumen - A-Cam (General
encyclopedia on the sea - First
volume - A-Cam)

Ill. articles, arranged alphabetically
by subject heading, dealing with all
aspects of marine studies, incl.
oceanography, marine biology,
navigation, boats, fishing & fishing
methods. In this volume articles from
A-Cam.

FAO:sjh

MF

ICNAF (1959) 59-8943
mimeo, 3 p.
Notes from an ICNAF meeting on planning
of environmental research - Copenhagen
7th October, 1959

Tabulates research vessel program for
1960 in NW Atlantic, by countries.

FiB:sjh

M

Martínez-Hidalgo y 59-8946
Terán, J.M. (Ed.) (1957)
Madrid, Ediciones Garriga, S.A., 904 p.
Enciclopedia general del mar -
Segundo volumen - Can-D (General
encyclopedia on the sea - Second
volume - Can-D)

Continuation of 59-8945.

FAO:

MF

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)
Madrid, Ediciones Garriga, S.A., 927 p.
Enciclopedia general del mar - Tercer
volumen 9 E-I (General encyclopaedia
on the sea - Third volume - E-I)

Continuation of 59-8946.

FAO:

MF

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)
Madrid, Ediciones Garriga, S.A., 925 p.
Enciclopedia general del mar - Sexto
volumen - S-Z (General
encyclopaedia on the sea - Sixth
volume - S-Z)

Continuation of 59-8949.

FAO:

MF

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)
Madrid, Ediciones Garriga, S.A., 914 p.
Enciclopedia general del mar - Cuarto
volumen - J-N (General encyclopaedia
on the sea - Fourth volume - J-N)

Continuation of 59-8947.

FAO:

MF

Kuchar, K.W. (1958) 59-8951
Sydowia, 11(1-6):327-36
Untersuchungen über den Einfluss der
Bakterien auf die Sauerstoffschichtung
in Kleingewässern (Influence of
bacteria on oxygen distribution in
small bodies of water)

BA 33(4)12749. Stratification was
found to be totally unrelated to the
O₂ level.

: ba

F

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)
Madrid, Ediciones Garriga, S.A., 923 p.
Enciclopedia general del mar - Quinto
volumen - O-R (General encyclopaedia
on the sea - Fifth volume - O-R)

Continuation of 59-8948.

FAO:

MF

Ludzack, F.J., W.L. Ingram & M.B. Ettinger (1957) 59-8952
Sewage industr.Wastes, 29(10):1177-89
Characteristics of a stream composed
of oil refinery and activated sludge
effluents

BA 33(4)12751. Report on field
studies of the Ottawa River during
low flow periods when stream
consisted primarily of municipal
activated sludge sewage treatment
effluent, refinery & petrochemical
plant effluents.

: ba

F

Lueck, B.F. (1957) 59-8953
Sewage industr.Wastes, 29(9):1054-65
Determination of stream purification
capacity

BA 33(4)12752. Studies of self-
purification phenomena on several
Wisconsin streams led to development
of several new parameters of stream
organic loading & purification capacity.

:ba

F

Sparks, A.K. (1958) 59-8956
Proc.La Acad.Sci., 20:71-82
Some digenetic trematodes of fishes
of Grand Isle, Louisiana

BA 33(4)15621. Forty-four spp. are
reported with host records; 6 spp.
appear to be new but are not
described.

:ba

M

Rand, M.C. (1957) 59-8954
Sewage industr.Wastes, 29(11):1282-300
Concepts of surface reaeration. A
critical review

BA 33(4)12755. Ability of atmospheric
O₂ to dissolve in natural water
bodies is of primary importance in
determining the self-purification
capacity of any stream. Various
mathematical & physical formulas have
been advanced for estimation of this
property. Importance of water turbulence,
temperature, & presence of other solutes
is also considered.

:ba

F

Pope, E.C. (1958) 59-8957
Proc.R.zool.Soc.M.S.W., 1956-1957:
159-61

The barnacle, Xenobalanus globicipitis
Steenstrum, in Australian seas

BA 33(4)15806. 1st record of this sp.
in Australian region comes from 8
specimens from the tail-flukes of a
dolphin, sp. undetermined, stranded on
Heron Island, near the southern end
of the Great Barrier Reef, in January,
1954.

:ba

M

Wilson, J.N. (1958) 59-8955
Amer.Midl.Nat., 59(2):418-37
The limnology of certain prairie lakes
of Minnesota

BA 33(4)12758. Four shallow glacial
lakes of west central & southwestern
Minnesota were studied in 1937-38 to
determine limnological features under
drought conditions. Recent information
from the Minnesota State Conservation
Department has been provided for 1946-
1953 to indicate changes with
heightened water levels.

:ba

F

Usinger, R.L. & 59-8958
J.L. Herring (1957)
Proc.Hawaii.ent.Soc., 16(2):281-3
Notes on marine water striders of the
Hawaiian Islands (Hemiptera:Gerridae)

BA 33(4)15890. Discussion of 2 spp. of
Halobates & single sp. of Hermatobates
presented with a key to separate
the forms. Hermatobates is not an open
ocean insect; it is nocturnal &
positively phototropic. Distribution
& phylogeny are mentioned.

:ba

M

Patil, A.M. (1958) 59-8959
Ann.Mag.nat.Hist., Ser.13, 1(3):232-40
 The occurrence of a male of the
 prosobranch Potamopyrgus jenkinsi
 (Smith) var. carinata Marshall in the
 Thames at Somming, Berkshire

BA 33(4)15968. 1st report of a male.
 A full description is given.

ba

F

Dotu, Y. (1957) 59-8962
Jap.J.Ichthyol., 6(4-6):97-104
 (The bionomics and life history of a
 gobioid fish, Paleatogobius uchidai
 Takagi). Ni En

BA 33(4)15985. Is a small sp.
 inhabiting sandy mud bottom of
 estuaries in Kyushu, Japan. Its life
 history & spawning habits are
 discussed.

ba

MF

Anadón, E. (1957) 59-8960
Bol.Soc.esp.Hist.nat., 55(1):129-44
 Anatomía e histología de las placas
 luminosas caudales de Lampadena nitida
 (Taenning) (Anatomy and histology
 of the luminous caudal plates of
Lampadena nitida)

BA 33(4)15977. A detailed description
 with many ill. General structure of the
 organ, especially that of the
 luminous part, is more highly evolved
 than in other Myctophidae.

ba

F

Fujita, S. (1957) 59-8963
Jap.J.Ichthyol., 6(4-6):91-3
 (On the larval stages of a scorpaenid
 fish, Sebastes pachycephalus nigricans
 (Schmidt)). Ni En

BA 33(4)15987. Describes larval
 development from aquarium hatched
 specimens which lived for 28 days.

ba

F

Brown, J.L. (1958) 59-8961
Amer.Midl.Nat., 59(2):477-88
 Geographic variation in southeastern
 populations of the cyprinodont fish,
Pundulus notti (Agassiz)

BA 33(4)15982. The 3 distinct spp. may
 be distinguished on the basis of
 meristic & color characters. Variation
 in over 400 specimens is analyzed
 statistically.

ba

F

Hancock, C.D., Jr. & 59-8964
 J.E. Sublette (1958).
Proc.La Acad.Sci., 20:38-52
 A survey of the fishes in the upper
 Kisatchie drainage of west central
 Louisiana

BA 33(4)15994. Forty-two spp. in 10
 families represented by 5582 specimens
 are recorded.

ba

F

Honma, Y. (1957) 59-8965
Jap.J.Ichthyol., 6(4-6):109-12
 (Further additions to "A list of the
 fishes collected in the province of
 Echigo, including Sado Island". V.).
 Ni En

BA 33(4)15995. 22 spp. are added to the
 fauna of Niigata Prefecture, Sea of
 Japan, incl. 1 from freshwater.

:ba

MF

Kapoor, B.G. (1957) 59-8968
Jap.J.Ichthyol., 6(4-6):82-6
 A study on the tongue of fishes

BA 33(4)16005. The tongue in Wallago
attu & Gadusia chapra is conspicuous
 while in Catla catla & Barbus stigma
 it is rudimentary. Further work is
 necessary on histology of tongue
 particularly with view to under-
 standing its musculature.

:ba

F

Honma, Y. (1957) 59-8966
Jap.J.Ichthyol., 6(4-6):113-20
 (On the thyroid gland of some
 Japanese teleosts). Ni En

BA 33(4)15996. Describes the gland of
Scomber japonicus, Neothunnus albacora,
Makaira mitsukurii, Oplegnathus
septemfasciatus, Semicossyphus
reticulatus & Apocycus ventricosus.

:ba

M

Katayama, M. (1957) 59-8969
Jap.J.Ichthyol., 6(4-6):147-52
 On some rare fishes from Izu-Oshima,
 Japan

BA 33(4)16006. Describes & figured:
Plectranthias anthioides (Günther),
Holanthias borbonius (Cuvier &
 Valenciennes), Ernogrammoides
fasciatus Chen & Liang, Pseudogramma
polyacantha (Bleeker).

:ba

M

Kamohara, T. (1957) 59-8967
Jap.J.Ichthyol., 6(4-6):75-81
 Some little known fishes from Kochi
 Prefecture (Prov. Tosa), Japan,
 including one new species of the
 family Peristediidae

BA 33(4)16004. Fifteen spp. are added
 to the fauna, incl. Paraheminodus
kochiensis, new sp.

:ba

M

Katayama, M. (1957) 59-8970
Jap.J.Ichthyol., 6(4-6):153-9
 Four new species of serranid fishes
 from Japan

BA 33(4)16007. Described & figured:
Neoscombrops analis, Owase, Mie
 Prefecture; Lateolabrax latus,
 Yamaguchi Prefecture, Kochi, &
 Nagasaki; Cephalopholis igarashiensis,
 Izu Islands, Riukiu Islands;
Epinephelus truncatus, Bonin Islands,
 Izu Islands.

:ba

M

Kobayasi, H. (1957) 59-8971
Jap.J.Ichthyol., 6(4-6):160-8
 (Studies on the intergeneric crossings
 between 3 kinds of loach in Hokkaido,
Misgurnus anguillicaudatus (Cantor),
Barbatula toni oreas (Jordan and
 Fowler) and Lefua nikkonis (Jordan and
 Fowler). Ni En

BA 33(4)16008. Studies of the
 fertilized eggs & young larvae.
M. anguillicaudatus is more closely
 related to L. nikkonis than to B.
toni oreas.

:ba

F

Kuroda, N. (1957) 59-8974
Jap.J.Ichthyol., 6(4-6):94-6
 (On the life colors of some fishes -
 VI.). Ni En

BA 33(4)16011. Colors of fishes from
 Suruga Bay are described: Fistularia
villosa Klunzinger, Macrorhamphosus
scolopax (Linnaeus), M. gracilis
 (Lowe), Tylosurus anastomella (Cuvier
 and Valenciennes), Atherina bleekeri
 Günther, Polynemus (Polydactylus)
plebejus (Broussonet), Hoplostethus
mediterraneus (Cuvier and
 Valenciennes), Nealotus tripes
 Johnson, & Trichiurus leyturus
haumela (Forskål).

:ba

M

Kobayasi, H. & 59-8972
 I. Yamabayashi (1957)
Jap.J.Ichthyol., 6(4-6):170-6
 (On the acceleration of spawning in a
 loach, Misgurnus anguillicaudatus
 (Cantor), by injection of the
 hypophyses of the same species).
Ni En

BA 33(4)16009. Implantation of pieces
 of pituitary gland in female resulted
 in accelerated spawning. Some of the
 eggs were mature but most of them
 developed abnormally & died before
 hatching.

:ba

F

Menon, A.G.K. (1958) 59-8975
Rec.Indian Mus., 52(1):21-6
 Further observations on the fish fauna
 of the Manipur State

BA 33(4)16015. List of 63 spp. in 14
 families, of which 29 spp. belong in
 Cyprinidae, so far known from this
 state in India. Glyptothorax
manipurensis is described, from the
 Barak River, part of the Brahmaputra
 River system. Notes on 4 other spp.

:ba

F

Kobayasi, H. & 59-8973
 S. Moriyana (1957)
Jap.J.Ichthyol., 6(4-6):177-83
 (On the development of a loach,
Barbatula toni oreas (Jordan and
 Fowler)). Ni En

BA 33(4)16010. Early development is
 described.

:ba

F

Menon, M.A.S. (1958) 59-8976
Rec.Indian Mus., 52(1):27-54
 Notes on fishes of the genus
Glyptothorax Blyth

BA 33(4)16016. Taxonomic history of
 the genus is reviewed, with key to
 23 Indian & Burmese spp. A systematic
 account is given, with synonymy,
 descriptive notes, detailed locality
 records on specimens in the
 collections of the Zool. Survey of
 India, tables of measurements,
 general distribution notes, etc.

:ba

F

Mito, S. (1957) 59-8977
Jap.J.Ichthyol., 6(4-6):105-8
(Egg development and hatched larvae
of Girella punctata Gray (Girellidae,
Teleostei)). Ni En

BA 33(4)16018. The egg is described,
its development & that of newly
hatched larvae which lived for 3 days.

:ba

Robins, C.R. & 59-8980
R.B. Manning (1958)
J.Wash.Acad.Sci., 48(9):301-4
The status and distribution of the
fishes of the family Microdesmidae
in the Western Atlantic

BA 33(4)16024. Fin-ray counts &
morphometric data are given for
Microdesmus longipinnis (Weymouth)
& M. floridanus (Longley). M. woodsi
Kanazawa is synonymized with
longipinnis. New distributional
records are given for longipinnis,
Florida, & for floridanus, New
Providence Island, Bahamas.

:ba

M

Prasad, R.R. (1958) 59-8978
Amer.Midl.Nat., 59(2):465-76
Racial analysis of Clevelandia ios
(Jordan and Gilbert) in Californian
waters

BA 33(4)16022. Samples of the
populations of the gobiid fish from
4 different localities were subjected
to statistical examination in respect
to the number of fin rays in the 1st
dorsal, 2nd dorsal & anal fins, & in
respect to the length of the head in
relation to the standard length.
Results show a direct correlation

Silas, E.G. (1958) 59-8981
Rec.Indian Mus., 52(1):1-14
Garra hughi, a new cyprinoid fish
from the Western Ghats, Peninsular
India, with notes on its bionomics

BA 33(4)16028. On the basis of 52
specimens of this n. sp., a detailed
morphometric study was undertaken.
Short notes on the ecology &
bionomics of the n.sp. are also
given.

:ba

F

59-8978
(Card 2)
between degree of difference &
distance separating populations.

:ba

F

Suyehiro, Y. et al. (1957) 59-8982
Jap.J.Ichthyol., 6(4-6):136-40
Movement of the fish in response to
sound stimuli with reference to
sound intensity

BA 33(4)16030. Behaviour of 7 spp.
of teleosts was observed. Scomber
japonicus, Trachurus japonicus &
Rhynchocymba nystromi nystromi were
found to be rather sensitive to
underwater noises, Conger japonicus
& Astroconger myriaster less so.

:ba

M

Takano, H. & 59-8983
 T. Hanato (1958)
Jap.J.Ichthyol., 7(1):13-8
 (Mackerel fishing by HANEZURI in
 northern Japan, and estimation of the
 unit catch in the waters). Ni En

BA 33(4)16031. Studies of catches
 have shown that catches of coastal
 HANEZURI boats - using a method of
 fishing by pole line - exceed those
 made by larger HANEZURI boats in the
 East China Sea, off the Goto Islands,
 & south to Kagoshima Prefecture; &
 that catches by coastal TENBINZURI
 boats - using a method of fishing by

Whitley, G.P. (1958) 59-8986
Proc.R.zool.Soc.N.S.W., 1956-1957:
 28-51
 Descriptions and records of fishes
 BA 33(4)16037. New spp. described:
Rasbora labuana from Labuan, off
 Borneo.

:ba

M

59-8983
 (Card 2)
 hand line - are far less.

:ba

M

Whitley, G.P. (1958) 59-8987
Proc.R.zool.Soc.N.S.W., 1956-1957:
 85-7
 A new gudgeon from the New Hebrides
 BA 33(4)16038. Eviota woolacottae is
 named.

:ba

M

Tsukamoto, Y. & 59-8985
 S. Yoshino (1957)
Jap.J.Ichthyol., 6(4-6):131-5
 A study of the lateral-line system
 in fish - II. On the relation between
 the function of the lateral-line
 organ and the habits of fish

BA 33(4)16034. Continued study of 81
 spp. of teleosts; correlation between
 function of lateral line & habits of
 spp. Lateral line may be important
 whenever visibility is poor, as at
 night or in turbid water.

:ba

MF

Brown, E.T. (1958) 59-8988
Zoologica, N.Y., 43(2):55-71
 Feeding habits of the northern
 water snake, Natrix sipedon sipedon
 Linnaeus

BA 33(4)16045. Contents of the
 stomachs of 207 specimens from New
 York & Michigan are tabulated as to
 frequencies, vol., & habitat of
 collection.

:ba

F

Fukuoka, J. (1958) 59-8989
Geophys.Mag., Tokyo, 28:343-55
On the variation of the Kuroshio ca
current south of Honshu (Japanese main
island)

M

Nakano, M. & 59-8992
T. Abe (1958)
Geophys.Mag., Tokyo, 28:375-97
Standing oscillation of bay water
induced by currents

M

Sugiura, J. (1958) 59-8990
Geophys.Mag., Tokyo, 28:399-409
On the Tsugaru warm current

M

U.K.Herring Industry 59-8993
Board (1958?)
Cmnd (435) Session 1957-58
23rd annual report, 1957

M

Uda, M. (1958) 59-8991
Geophys.Mag., Tokyo, 28:367-73
On the abyssal circulation in the
Northwest Pacific Area

M

Scottish Home 59-8994
Department (1958?)
H.F.S.O.
Scottish sea fisheries statistical
tables, 1957

M

Kobe. Marine 59-8995
Observatory (1958)
J.Oceanogr., Kobe, Ser. 2, 8(5):16-7
Maritime observations on board of
M.S. SHUMPU

Walden, H. (1958) 59-8998
Seewart, Hamburg, 19:98-106
Eine Dünungsbeobachtung des
Holländischen MS VAN WAERWIJCK und
ihre Deutung (Observation of a
swell by the Dutch MS VAN WAERWIJCK
and its explanation)

M

Kobe. Marine Observatory(1957)59-8996
J.Oceanogr., Kobe, Ser: 2, 8(4):3
(Oceanographical report no. 7). Ni

U.K. Meteorological 59-8999
Office (1958?)
M.C.615/12
Climatological charts of the North
Atlantic. Dec.

M

M

Kobe. Marine 59-8997
Observatory (1958)
J.Oceanogr., Kobe, Ser.2, 9(1):7
(Oceanographical report no. 8).
Ni

Uyeno, F. (1958) 59-9000
Mem.Mar.Obs.Kobe, 12(1):1-6
Relation between diatom quantity,
temperature and chlorinity in the
neighbouring sea near the south
coast of Honshu, Japan

M

Uyeno, F. (1958) 59-9001
Mem.Mar.Obs.Kobe, 12(1):7-14
 Water movements and distributions of
 diatoms in a vertical section of the
 cold water region off Enshu-nada, Japan

M

Holcombe, R.M. (1957) 59-9004
J.atmos.terr.Phys., Spec.Suppl.,
P.Polar atmos.Symp., Part I,(1956):
 9-17
 Similarities and contrasts between
 the Arctic and Antarctic marine
 climates

M

Rao, C.P. (1958) 59-9002
Poona Ind.J.Met., 9:203-4
 River effect on sea

MF

Melchior, P.J. (1958) 59-9005
Adv.Geophys., 4:391-443
 Earth tides

M

Hamada, Y. (1958) 59-9003
Mem.industr.Met., Tokyo; 21:113-26.
 (On the catch of yellowtails from a
 meteorological viewpoint). Ni En

M

Sapporo. Meteorological 59-9006
 Observatory (1958)
mem.met.Agency, Tokyo, 40:11-47
 Visual observations carried out on
 board ships and aircrafts

M

Uda, M. (1957) 59-9007
J.met.Soc.Japan, 75:372-7
A note on the modification of air
masses over the seas adjacent to
Japan

Manabe, S. (1957) 59-9010
J.met.Soc.Japan, 35:311-26
On the modification of air-mass
over the Japan Sea when the outburst
of cold air predominates

Mertins, H.O. (1958) 59-9008
Wetterlotse, 132:142-4
Die Sturmhäufigkeit auf den
Fischfangplätzen im Jahre 1957
(Storm frequency on the fishing areas
during 1957)

Winchester, J.W. & 59-9011
C.C. Bates (1957)
J.atmos.terr.Phys., Spec.Suppl., P.
Polar atmos.Symp., Pt.I, 1956:323-34
Meteorological conditions and the
associated sea ice distribution in the
Chuckchi Sea during the summer of
1955

Kobe. Marine 59-9009
Observatory (1958)
J.Oceanogr., Kobe, Ser.2, 8(6):5-19
(Disasters to fishing ships that
encountered the typhoon 5719). III

Hidaka, K. (1958) 59-9012
Geophys.Mag., Tokyo, 28:357-65
Dynamics of ocean currents parallel
to a long straight coast

Bates, C.C. (1957) 59-9013
J.atmos.terr.Phys., Spec.Suppl., P.
Polar atmos.Sym., Pt.I, 1956:285-322
Current status of sea ice
reconnaissance and forecasting for the
American Arctic

Watanabe, K. & 59-9016
I. Nakayama (1958)
Mem.met.Agency, Tokyo, 40:49-77
(Results of non-vertical aerial
photographic survey of sea-ice in the
south-western region of the Okhotsk
Sea in Jan.-Apr., 1957). Ni En

11

11

Kawanabe, Y. (1958) 59-9014
Lem.Mar.Obs.Kobe, 12(1):21-31
On the forecasting of the W-ly monsoon
in winter

Sawada, T. (1958) 59-9017
Lem.met.Agency, Tokyo, 40:117-24
(On the daily ice-edge displacements
of the pack-ice area covered on entire
southern Okhotsk Sea in thawing time,
1956). Ni En

11

Kersten, W. (1958) 59-9015
Wetterlotse, (132):139-40
Hundert Fahrten Bordwetterdienst für
die Hochseefischerei (Hundred
voyages of meteorological service on
board for the deep sea fisheries)

Rodswald, M. (1958) 59-9018
Wetterlotse, (131):105-13
Eigenartiges Windspiel im westlichen
Mittelmeer (Peculiar eddies
in the western Mediterranean)

11

Japan. Meteorological Agency. 59-9019
Oceanographical Section (1957)
Oceanogr.Rep., Tokyo, 6:181-96
(Report of multiple ship survey in the
polar front region from June to July
1957 - Oceanographic project for the
International Geophysical Year).
Ni En

M

Nagasaki. Marine Observatory 59-9020
Oceanographical Section (1957)
Oceanogr.Rep., Tokyo, 6:225-32
(Report of the oceanographic
observations in the seas west of Japan
from August to September, 1957).
Ni En

M

Sapporo. District 59-9021
Meteorological Observatory.
Observation Section (1958)
Mem.met.Agency, Tokyo, 40:105-16
(Synoptic sea-ice charts of the
U.S.S.R.). Ni En

M

Japan Meteorological 59-9022
Agency (1958)
Mem.met.Agency, Tokyo, 40:128-131
(Sea ice report of Japan).
Ni En

M

Kobe. Marine 59-9023
Observatory (1957)
J.Oceanogr., Kobe, Ser.2, 8(4):10
(Change of the schedule of
meteorological broadcasting at
Hongkong). Ni

M

Davis, C.C. (1959) 59-9024
Ohio J.Sci., 59:101-2
Damage to fish fry by cyclopoid
copepods

F

Specht, R.L. & 59-9025
 C.P. Mountford (Ed.)(1958)
Rec.Amer.-Aust.sci.Exped.Arnhem Land,
 (3):521 p.
 Botany and plant ecology
 Incl. descriptions of new spp. of
 algae.

:sjh

F

Harnisch, O. (1958) 59-9028
Z.Naturf., 13b:545-7
 Beobachtungen an den Fettkörper-
 Einschlüssen der Larven von
Chironomus thummi und Chir.
anthracinus bei erhöhter Temperatur
 (26 und 28°C) (Observations on
 fat enclosures in larvae of
Chironomus thummi and Chironomus
anthracinus at increased
 temperature)

F

Harnisch, O. (1958) 59-9026
Z.Naturf., 13b:109-10
 Anaerobe Färbung einiger planktonischer
 Organismen mit dem Reduktionsindikator
 Triphenyltetrazoliumchlorid (TTC)
 (Anaerobic colouration of some
 planktonic organisms with the reduction
 indicator triphenyltetrazole-chloride)

F

Harnisch, O. (1958) 59-9029
Biol.Zbl., 77:49-54
 Bestimmungen der in Eisessig
 löslichen Peroxyde an den Larven von
Chironomus plumosus (Determination
 of glacial acetic acid soluble
 peroxydes of Chironomus plumosus
 larvae)

F

Harnisch, O. (1958) 59-9027
Naturwissenschaften, 45(13):3 p.
 Beobachtungen an der Atmungsgrösse von
 Chironomuslarven bei gesteigerter
 Temperatur (Observations on the
 respiration power of Chironomus larvae
 at increased temperature)

F

Harnisch, O. (1958) 59-9030
Zool.Jb.(3), 67:293-310
 Elektrochemische Messungen am O₂
 Gehalt von Lösungen mit Tubifex
 und Chironomus-larven unter sehr
 geringem O₂-Partialdruck
 (Electro-chemical measurements of O₂
 contents in solutions with Tubifex
 and Chironomus larvae under very low
 partial pressure of O₂)

F

Harnisch, O. (1958) 59-9031
Naturwissenschaften, 45(1):2 p.
 Ein Mittel zur Ausschnaltung von
 Oberflächen (Z.B. Kiemen) wirbelloser
 Tiere bei respirationsphysiologischen
 Messungen (A mean of covering
 surfaces - i.e. gills - of invertebrates
 during respiratory-physiological
 measurements)

Harnisch, O. (1958) 59-9034
Biol.Zbl., 77:300-10
 Untersuchungen an den Analkiem
 der Larve von Agrion
 (Investigations on the anal gills of
 the larva of Agrion)

F

Harnisch, O. (1958) 59-9032
Zool.Anz., 160(3-4):42-7
 Tracheenkiemen Gehäuse tragender,
 raupenförmiger Trichopterenlarven
 bei erniedrigtem O₂-Partialdruck
 (Tracheal gills of shelled, worm-like
 Trichoptera larvae at lowered partial
 pressure of O₂)

Nicholls, A.G. (1957) 59-9033
Ann.Mag.nat.Hist., Ser.12, 10:56-74
 Harpacticoid copepods commensal with
 crabs

F

M

Harnisch, O. (1958) 59-9033
Zool.Anz., 161(1-2):56-60
 Das geschlossene Tracheensystem der
 Larve von Simulium bei stark
 erniedrigtem O₂-Partialdruck
 (The closed tracheal system of the
 larva of Simulium at very much
 lowered partial pressure of O₂)

Seidel, K. (1957) 59-9036
Flechtwerk, 1956-1957:20 p.
 Unsere Flechtbinsen (Our sedge)

F

F

Seidel, K. (1957) 59-9037
Naturwissenschaften, 44(9):3 p.
Umstimmung des negativen Geotropismus
(Conversion of negative geotropism)

Faquette, R.G. & 59-9040
H.F. Frolander (1957)
Univ.Wash.Publ., (199)
Improvements in the Clarke-Bumpus
plankton sampler

MF

Seidel, K. (1957) 59-9038
Umschau, 19(1957):2 p.
Wasserpflanzen - nur lästige
Schmarotzer? Fragestellungen und
Forschungsergebnisse (Water-
plants - Only undesirable parasites?
Questions and results of investigations)

Frolander, H.F. (1957) 59-9041
Univ.Wash.Publ., (201)
A plankton volume indicator

F

MF

Utermohl, H. (1957) 59-9039
Die Heimat, Sept. 1957:3 p.
Professor Thienemann 75 Jahre alt
(Professor Thienemann, 75 years old)

Jentoft, R.E. & 59-9042
R.J. Robinson (1957)
Univ.Wash.Publ., (211)
Potassium-chlorinity ratio of ocean
water

F

M

Maruyama, E. (1957) 59-9043
Sokko Jiho, 24:365-70
(Micrometeorology). Ni

G

FAO Mediterranean 59-9046
Development Project (1959)
Rome, 165 p.
Yougoslavie - Rapport national
(Yugoslavia - National Report)

General demographic, economic &
geographic summaries. No specific
reference to fisheries.

FiB:sjh

G

Harris, B., A. Hauptschein 59-9044
& L.S. Schwarz (1958)
Operat.Res.Quart., 6(4):516-29
Optimum information-acquisition
systems

A criterion of performance, average
total cost, has been suggested for
rating communication systems. This
criterion accounts for the risk cost of
a decision & the corresponding
communication cost. Risk cost is an
explicit function of system reliability,
whereas communication cost is the
expense of transmitting the information.

clb

G

FAO Mediterranean 59-9047
Development Project (1959)
Rome, 142 p.
Lebanon - Country report

General demographic, economic &
geographic summaries. No specific
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9045
Development Project (1959)
Rome, 77 p.
Tunisie - Rapport national
(Tunisia - National report)

General demographic, economic &
geographic summaries. No specific
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9048
Development Project (1959)
Rome, 216 p.
Greece - Country report

General demographic, economic &
geographic summaries. No specific
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9049
Development Project (1959)
Rome, 246 p.
Iraq - Country report

General demographic, economic &
geographic summaries. No specific
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9052
Development Project (1959)
Rome, 185 p.
Turkey - Country report

Incl. general demographic & geographic
summaries & few paragraphs on
fisheries resources, water use &
international rivers problems.

FiB:sjh

MF

FAO Mediterranean 59-9050
Development Project (1959)
Rome, 186 p.
United Arab Republic - Syrian Region -
Country report

General demographic, economic &
geographic summaries. No specific
reference to fisheries.

FiB:sjh

G

Greenwood, M.R. (1959) 59-9053
Comm.Fish.Rev., 21(7):1-13
Shrimp exploration in central
Alaskan waters by M/V JOHN N. COBB,
July-August 1958

Chart, gear specification, fishing
results in various localities.
Catches of Pandalus, Pandalopsis &
Eulas spp.

FAO:sjh

M

FAO Mediterranean 59-9051
Development Project (1959)
Rome, 251 p.
Maroc - Rapport national
(Morocco - National report)

General demographic, economic
& geographic summary. No specific
reference to fisheries.

FiB:sjh

G

Steele, R.E. (1959) 59-9054
Comm.Fish.Rev., 21(7):14-5
Current status of the Inter-
American development bank

When proposed Inter-American
development bank is approved by
members of OAS, it will be simpler &
easier for US businessmen to invest
in Latin American industries. Since
US fisheries interests are
contemplating working with Latin
American countries in developing the
fisheries of those countries, it is
to their advantage to study the

59-9054
(Card 2)

purpose, responsibilities &
functions of the bank.

FAO:res

M

Anonymous (1959)

59-9058

Comm.Fish.Rev., 21(7):24

Alaska - Fish and Game Board prepares
for state control

Alaska Board provided for immediate
assumption of State fish & game
control, should federal authority be
successfully challenged in the courts.
The Board laid the groundwork for
state control by declaring that an
emergency now exists with regard to
the question of jurisdiction over fish
& game in Alaska.

FAO:cfr

MF

Thompson, M.H. (1959) 59-9056

Comm.Fish.Rev., 21(7):16-20

Proximate composition of Gulf of
Mexico industrial fish - Part 3. Fall
studies (1958)

The protein, oil, ash, & moisture
content of limited samples of 17 spp.
of fish commonly taken during fall in
the area are reported. Incl. also
are length & weight data for those
same spp. The method of sampling is
evaluated.

WFA 11(1):47.

FAO:mht

M

Anonymous (1959)

59-9059

Comm.Fish.Rev., 21(7):25

California - Crab and shrimp studied
off Central California coast (M/V
N.B. SCOFIELD cruise 59-S-2)

Contents as per title.

FAO:

M

Anonymous (1959)

59-9057

Comm.Fish.Rev., 21(7):24

Alaska - Fish and Game Board sets
policy

The newly-created Alaska Board of Fish
& Game has endorsed the Governor's
policy decisions relating to the
fisheries resources of Alaska, made
prior to the creation of that Board.

FAO:cfr

MF

Anonymous (1959)

59-9060

Comm.Fish.Rev., 21(7):25-6

California - Pelagic fish and
barracuda studied off Baja California
coast (M/V ALASKA cruise 59-A-2)

Contents as per title.

FAO

M

Anonymous (1959) 59-9061
Comm.Fish.Rev., 21(7):26-8
California - Aerial census of
commercial fishing continued

Contents as per title.

FAO: M

Anonymous (1959) 59-9064
Comm.Fish.Rev., 21(7):31-2
Great Lakes fishery investigations -
Program of the research vessel CISCO
for 1959

Contents as per title.

FAO: F

Anonymous (1959) 59-9062
Comm.Fish.Rev., 21(7):29-30
Clams - Studies develop source of seed
and planting techniques

Contents as per title.

FAO: M

Anonymous (1959) 59-9065
Comm.Fish.Rev., 21(7):32
Great Lakes fishery investigations -
Western Lake Superior fishery
survey (M/V SISCOWET cruise 1)

Contents as per title.

FAO: F

Anonymous (1959) 59-9063
Comm.Fish.Rev., 21(7):30
Crabs - Green crabs controlled with
chemical

To control the crabs which destroy
clams laboratory at Boothbay Harbor
is using lindane.

FAO:cfr M

Anonymous (1959) 59-9066
Comm.Fish.Rev., 21(7):32-3
Great Lakes fishery investigations -
Western Lake Erie biological
research continued (M/V GEORGE L.
cruises 1 and 2)

Contents as per title.

FAO: F

Anonymous (1959) 59-9067
Comm.Fish.Rev., 21(7):33-4
Gulf exploratory fishery program -
Commercial red snapper trawling
operations on Campeche Bank completed
(M/V SILVER BAY cruise 16)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9070
Comm.Fish.Rev., 21(7):37-8
Gulf fishery investigations -
Shrimp

Contents as per title.

FAO:

M

Anonymous (1959) 59-9068
Comm.Fish.Rev., 21(7):34-5
Gulf exploratory fishery program -
Exploratory fishing for midwater fish
stocks between Mississippi delta and
Brownsville, Tex. (M/V OREGON cruise
58)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9071
Comm.Fish.Rev., 21(7):38
Gulf fishery investigations -
Red tide studies

Contents as per title.

FAO:

M

Anonymous (1959) 59-9069
Comm.Fish.Rev., 21(7):36-7
Gulf exploratory fishery program -
Midwater trawling for school fish in
the North Central Gulf of Mexico (M/V
OREGON cruise 59)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9072
Comm.Fish.Rev., 21(7):39
Gulf fishery investigations -
Industrial fishes

Contents as per title.

FAO:

M

Anonymous (1959) 59-9073
Comm.Fish.Rev., 21(7):40-1
North Atlantic fisheries exploration
and gear research - Good catches of
tuna taken on edge of Gulf stream
south-by-east of Nantucket (M/V
DELAWARE cruise 59-6)

Contents as per title.

FAO: M

Anonymous (1959) 59-9076
Comm.Fish.Rev., 21(7):43-4
South Carolina - Fisheries biological
research progress, January-March 1959

Contents as per title.

FAO: MF

Anonymous (1959) 59-9074
Comm.Fish.Rev., 21(7):41-2
North Pacific exploratory fishery
program - Devices to improve otter-
trawl performance tested (M/V JOHN N.
COBB cruise 42)

Contents as per title.

FAO: M

Anonymous (1959) 59-9077
Comm.Fish.Rev., 21(7):44-5
Spot - Abundance in Chesapeake Bay
predicted lower in 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-9075
Comm.Fish.Rev., 21(7):42-3
Salmon - California plants marked
king salmon fingerlings

Contents as per title.

FAO: MF

Anonymous (1959) 59-9078
Comm.Fish.Rev., 21(7):46
Tuna - California captain fishing out
of Puerto Rico reports tuna plentiful
in Eastern Atlantic

Contents as per title.

FAO: M

Anonymous (1959) 59-9079
Comm.Fish.Rev., 21(7):59
Canada - Dogfish eradication program
disappointing

Contents as per title.

FAO:

M

Anonymous (1959) 59-9082
Comm.Fish.Rev., 21(7):62-3
Ceylon - Japanese aid sought in 5-
year fishery plan

Contents as per title.

FAO:

M

Anonymous (1959) 59-9080
Comm.Fish.Rev., 21(7):60
Canada - Commercial fishing licenses
issued in British Columbia increased
in 1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9083
Comm.Fish.Rev., 21(7):63-4
Cuba - Closed season for bullfrogs,
sponges, and certain finfish

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9081
Comm.Fish.Rev., 21(7):61
Canada - Atomic power may cancel need
for hydroelectric power from rivers
with fish runs

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9084
Comm.Fish.Rev., 21(7):65-6
Denmark - Review of Faroe Islands
fisheries, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-9085
Comm.Fish.Rev., 21(7):68-9
Iran - Shrimp fishery in the Persian
Gulf expanding

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9086
Comm.Fish.Rev., 21(7):69
Italy - Electronic device to measure
strain on otter trawls developed

FAO:

I

Anonymous (1959) 59-9087
Comm.Fish.Rev., 21(7):72
Japan - Tuna mothership operations
and research

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9088
Comm.Fish.Rev., 21(7):72
Japan - Albacore tuna fishing slow
in developing

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9089
Comm.Fish.Rev., 21(7):73
Japan - Exploratory tuna fishing
vessel reports good catches off
Galapagos Islands

Contents as per title.

FAO:

M

Anonymous (1959) 59-9090
Comm.Fish.Rev., 21(7):75
Mexico - Voluntary closed season for
shrimp fishing in Campeche Area

Contents as per title.

FAO:

I

Anonymous (1959) 59-9091
Comm.Fish.Rev., 21(7):76-7
Mozambique - Portuguese-American
company to fish for shrimp and spiny
lobster

Contents as per title.

FAO: M

Anonymous (1959) 59-9094
Comm.Fish.Rev., 21(7):79
Bonito and anchovy catches lower in
Chimbote Area

Contents as per title.

FAO: M

Anonymous (1959) 59-9092
Comm.Fish.Rev., 21(7):77
Norway - Lofoten Area cod landings
higher in 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-9095
Comm.Fish.Rev., 21(7):83-4
Sweden - Oscilloscope and electric
ground wire developed as aid to
navigation

Contents as per title.

FAO: M

Anonymous (1959) 59-9093
Comm.Fish.Rev., 21(7):78
Panama - Pink shrimp fail to appear
for second time

Contents as per title.

FAO: M

Anonymous (1959) 59-9096
Comm.Fish.Rev., 21(7):84-6
Sweden - Fishing industry, 1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-9097
Comm.Fish.Rev., 21(7):86-7
Tunisia - Fisheries landings increased
since 1955

Contents as per title.

FAO:

M

Anonymous (1959) 59-9100
Comm.Fish.Rev., 21(7):91
U.S.S.R. - Expansion of ocean research
planned

In 1959, 2 new research vessels,
the VOEIKOV & the SHOKALSKY, will
make their maiden voyages to the
Pacific Ocean.

FAO:cfr

M

Anonymous (1959) 59-9098
Comm.Fish.Rev., 21(7):89-91
Union of South Africa and South-West
Africa - Union and South-West Africa
fish catch, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-9101
Comm.Fish.Rev., 21(7):91-2
U.S.S.R. - Submarine returns from
fishery research cruise

Contents as per title.

FAO:

M

Anonymous (1959) 59-9099
Comm.Fish.Rev., 21(7):91
U.S.S.R. - Tuna vessels reported
fishing near Caroline Islands

Contents as per title.

FAO:

M

Anonymous (1959) 59-9102
Comm.Fish.Rev., 21(7):96-8
Department of the Interior. Fish and
Wildlife Service - Alaska Bristol Bay
limited commercial salmon fishing
regulations for 1959 issued

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9103
Comm.Fish.Rev., 21(7):99-102
Eighty-sixth Congress (first session)

Public bills and resolutions which may directly or indirectly affect the fisheries & allied industries are reported. Introduction, referral to committees, pertinent legislative actions, hearings, & other actions by the House & Senate, as well as signature into law or other final disposition are covered.

FAO:cfr

MF

Wilder, D.G. (1957) 59-9106
Ottawa, 25 p.
Canada's lobster fishery

George, R.W. (1958) 59-9104
Thesis, Univ. of W.Australia, 124 p.
Biology of the Western Australian commercial crayfish, Panulirus longipes

Woods Hole Oceanographic Institution (1958) 59-9107
Woods Hole, Mass., 128 p.
Oceanographic data from CRAWFORD cruise 16, 1 Oct.-11 Dec. 1957 for the International Geophysical Year of 1957-58

Japan. Association for Agriculture & Forestry (1958) 59-9105
Tokyo, 209 p.
Illustration of Japanese fishing boats and fishing gear. En Ni

Woods Hole Oceanographic Institution (1958) 59-9108
Woods Hole, Mass., 18 p.
Project ice skate oceanographic data

Mauritius. Fishery 59-9109
Branch (1958)
Port Louis
Annual report 1956 ..

Washington (State) 59-9112
Department of Fisheries (1958)
Olympia
67th annual report

MF

Kenya. Colony & 59-9110
Protectorate (1958)
Nairobi
Report on Kenya fisheries 1957

Haig, J. (1957) 59-9113
Amer.Mus.Novit., (1865)
Porcellanid crabs of the ASKOY
expedition to the Panama Bight

MF

M

South Australia. Department 59-9111
of Fisheries & Game (1958)
Adelaide
Annual report 1957/58

Brett, J.R. (1957) 59-9114
Stud.Stas Fish.Res.Bd Can., (503)
Implications and assessments of
environmental stress

MF

M

Waldichuk, M. (1957) 59-9115
Stud.Stas Fish.Res.Bd Can., (510):
Report on pollution studies
conducted in Western Canada

MF

Dreosti, G.M. & 59-9118
w.Wesemann (1958)
Progr.Rep.Fish.Ind.Res.Inst., S.Afr.,
(40)
Clearing of sea water by
flocculation

M

Neave, F. (1957) 59-9116
Stud.Stas. Fish.Res.Bd Can., (511)
Stream ecology and production of
anadromous fish

MF

Johnson, T.W., Jr. & 59-9119
H.S. Gold (1957)
Contr.Duke Univ.Mar.Lab., (95)
Didymosamarospora, a new genus of
fungi from fresh and marine waters

MF

Rowen, A.N. (1958) 59-9117
Progr.Rep.Fish.Ind.Res.Inst., S.Afr.,
(33)
Pilchard taggings: recovery of tags
during 1957

M

Johnson, T.W., Jr. (1957) 59-9120
Contr.Duke Univ.Mar.Lab., (96)
Marine fungi - III. Phycomycetes

M

Maturo, F.J.S., Jr. (1957) 59-9121
Contr.Duke Univ.Mar.Lab., (97)
Study of the Bryozoa of Beaufort,
North Carolina, and vicinity

M

Hunter, W.S. & 59-9124
W.B. Vernberg (1957)
Contr.Duke Univ.Mar.Lab., (100)
Further observations on the life-
cycle of Cynaecotyla adunca (Linton,
1905)

M

Costlow, J.D., Jr. & 59-9122
C.G. Bookhout (1957)
Contr.Duke Univ.Mar.Lab., (98)
Larval development of Balanus eburneus
in the laboratory

M

Broad, A.C. (1957) 59-9125
Contr.Duke Univ.Mar.Lab., (101)
Larval development of the crustacean
Thor floridanus Kingsley

M

Johnson, T.W., Jr. (1957) 59-9123
Contr.Duke Univ.Mar.Lab., (99)
On the marine phycomete
Thraustochytrium proliferum

M

Pantin, H.M. (1957) 59-9126
Contr.N.Z.oceanogr.Inst., (23)
Fossiliferous concretions from the
shelf southeast of Cape Campbell,
New Zealand

M

U.K. Treaties, etc. (1959) 59-9127
Treaty Ser., U.K. (22)

Protocol to the International
Convention for the Northwest
Atlantic Fisheries signed at
Washington on February 8, 1949;
Washington, June 25, 1956

Amendment to para. 5 of Art. II of
1949 Convention; concerning holding
of annual meetings of Commission
outside N. America. List of
countries and dates of ratifications.

FAO:sjh

M

Wilson, B.W. (1957?) 59-9130
Coll.Repr.Oceanogr.Met.A.&M.Coll.Tex.,
(83)

Origin and effects of long period
waves in ports

M

Udvardy, M.D.F. (1958) 59-9128
Further zool.Res.Swed.Antarct.Exp.,
5(1)

Appendicularia from the Dept. of
Invertebrate Zoology, Swedish Museum
of Natural History, Stockholm

M

Fagg, D.B. (1957) 59-9131
Coll.Repr.Oceanogr.Met.A.&M.Coll.Tex.,
(88)

Recent marine sediments and
pleistocene surface of Matagorda
Bay, Texas

M

Hill, H.O. & 59-9129
E.W. Paget-Tomlinson (Comp.)(1958?)
Greenwich, National Maritime Museum
Instruments of navigation. Catalogue
and description of the tools used by
seamen to find their way, with notes
upon their use

M

Shenton, E.H. (1957) 59-9132
Coll.Repr.Oceanogr.Met.A.&M.Coll.Tex.,
(89)

Study of the foraminifera and
sediments of Matagorda Bay, Texas

M

Anderson, E.W. (1957) 59-9133
J.Inst.Navig., 10(2):156-61
 Navigation in polar regions
 Problems explained.

:pr

M

Moskalenko, B.K. (1957) 59-9136
 Moscow, Gosudarstvennoie Izdatel'stvo
 Geograficheskoi Literatury, 144 p.
 Na Pechorsk m beregu (On the
 banks of the Pechora)

Experiences at fishing, hunting &
 reindeer-farming collective farms
 in Nar'yan Mar area, 1940-44.

:pr

F

Shliamin, B.A. (1957) 59-9134
 Moscow, Gosudarstvennoie Izdatel'stovo
 Geograficheskoi Literatury, 96 p.
 Okhotskoie more (Sea of Okhotsk)
 Physical geography of sea & its shores;
 brief history of exploration.

:pr

M

Schytt, V. (1957) 59-9137
Ymer, 77(1):19-38
 Med en rysk expedition i Arktis
 (With a Russian expedition in the
 Arctic). En

Soviet oceanographical research
 expedition in OB in Arctic Ocean,
 August-September 1956.

:pr

M

Fraser, R. (1957) 59-9135
 London, Hodder & Stoughton, 160 p.
 Once round the sun: the story of the
 International Geophysical Year 1957-58
 Outline of present geophysical
 knowledge & programme of IGY.

:pr

G

Gvozdetskii, N.A. (1957) 59-9138
 Moscow, Gosudarstvennoie Izdatel'stvo
 Geograficheskoi Literatury, 208 p.
 Sorok let issledovaniia i otkrytii
 (Forty years of exploration and
 discovery)

Popular account of major Soviet
 geographical discoveries in Soviet
 Arctic & adjacent seas since 1917.

:pr

M

Burkhanov, V.F. (Ed.)(1957) 59-9139
 Moscow, Gosudarstvennoie Izdatel'stvo
 Geograficheskoi Literatury, 384 p.
 Cherez okean na dreyfuiushchikh
 l'dakh (Across the ocean on
 drifting ice)

Collected narratives of Soviet drifting
 stations in Arctic Ocean, from SF-1
 (1937-38) to SF-5(1955-56).

APR

35

Krauss, W. (1958). 59-9142
Dtsch.hydrogr.Z., 11:194-207
 Interne Wellen grosser Amplitude -
 Teil 2. Beobachtungen (Internal
 waves of great amplitude - Part 2.
 Observations). En Fr

Analyses of the amplitudes by
 latitudes & suggestion that internal
 tides & inertial oscillations
 predominate.

FAO:tl

M

Lebedev, V.L. (1957) 59-9140
 Moscow, Gosudarstvennoie Izdatel'stvo
 Geograficheskoi Literatury, 192 p.
 Antarktika (The Antarctic)

Physical geography: land ice, sea ice,
 climate, flora & fauna, oceanography.

APR

35

Hasselmann, K. (1958) 59-9143
Dtsch.hydrogr.Z., 11:207-17
 Zur Deutung der dreifachen
 Geschwindigkeitskorrelationen der
 isotropen Turbulenz (On the
 interpretation of the triple velocity
 correlations of isotropic turbulence).
 En Fr

The influence of the inertia forces
 in isotropic turbulence represented
 by the triple-velocity correlations in
 Kármán-Howarth's equation is
 explained in terms of the momentum
 convected through the surface of a
 spherically delimited region in

Nusser, F. (1958) 59-9141
Dtsch.hydrogr.Z., 11:185-94
 Zusammenhang zwischen Grosswetterlage
 und Eisvorkommen an den deutschen
 Küsten (Relations between general
 situations and ice occurrence on the
 German coasts). En Fr

A study of the general weather types &
 situations that occurred, according to
 records of the last sixty years,
 during the ice period from 22 Nov. to
 10 April are investigated to establish
 fundamental facts for scientifically
 founded ice forecasting.

FAO:tl

M

59-9143
 (Card 2)
 spherically delimited region in
 the fluid.

FAO:tl

M

Liepolt, R. (1958) 59-9145
Verh.int.Ver.Limnol., 13:481-90
 Gewässerverunreinigung in Österreich
 durch Holzindustrieabwässer
 (Water pollution in Austria by
 waste waters of the wood industry)

Description of the pollution of
 natural waters caused by different
 kind of pulp & paper industry.

SJH:tl

F

Silfversparre, W. (1958) 59-9148
Verh.int.Ver.Limnol., 13:514-24
 Die Verunreinigung des Wasserlaufes
 unterhalb einer Sulfitfabrik und
 deren Ausklingen (The pollution of
 a watercourse below a sulfite pulp
 mill and its effects)

Description of the pollution of a
 stream in Finland & its effects on
 chemistry of the recipient.

SJH:tl

F

Schräder, T. (1958) 59-9146
Verh.int.Ver.Limnol., 13:491-506
 Chemische und biologische
 Auswirkungen von Sulfitablaugen in den
 Grosstalsperren an der oberen Saale
 (Thüringen) (Chemical and biological
 effects of sulfite wastes on the
 large artificial lakes of the upper
 Saale, Thüringen)

Description of the effect of the
 waste on O_2 content, $KMnO_4$ consumption,
 plankton & benthos populations of the
 lakes.

SJH:tl

F

Mossewitsch, N.A. & 59-9149
 A.G. Gussew (1958)
Verh.int.Ver.Limnol., 13:525-32
 Der Einfluss der Abwässer von
 Holzverarbeitungswerken auf Gewässer
 und Wasserorganismen (The influence
 of waste waters from pulp mills
 on water bodies and water
 organisms)

Review of the results of various
 investigations of the subject, with
 emphasis on results from USSR.

SJH:tl

F

Stundl, K. (1958) 59-9147
Verh.int.Ver.Limnol., 13:507-13
 Versuche über die Wirkung von
 Abwässern holzverarbeitender Industrien
 auf Vorflutorganismen (Experiments
 on the influence of waste waters from
 pulp industries on the organisms of the
 recipient canals)

Laboratory experiments, testing the
 influence of different concentrations
 of wastes on fresh water fish.

SJH:tl

F

Müller, K. (1958) 59-9150
Verh.int.Ver.Limnol., 13:533-44
 Die Einflüsse der Flösserei auf die
 Fischerei in Schwedisch-Lappland
 (The influence of logg floating on the
 fishery in Swedish Lapland)

Description of this influence on the
 pollution & on fish stocks.

SJH:tl

F

Rennerfelt, J.G.V. (1958) 59-9151
Verh.int.Ver.Limnol., 13:545-56
 BOD of pulp mill wastes, its
 determination and importance

Description of the chemical &
 mathematical methods.

SJH:tl

F

Laurent, P.J. (1958) 59-9154
Verh.int.Ver.Limnol., 590-5
 Résistance de crustacés d'eau douce
 à l'action du chromate de sodium
 (Resistance of fresh water crustacea
 to chromate of sodium)

Comparative results of intoxication
 of Asellus aquaticus & Gammarus
 (Rivulogammarus) pulex pulex.

SJH:hr

F

Muhrmann, K. & 59-9152
 H. Woker (1958)
Verh.int.Ver.Limnol., 13:557-83
 Vergiftungen der aquatischen Fauna
 durch Gewässerverunreinigungen
 (Poisoning of aquatic fauna by
 pollution of natural waters)

Nature of poisoning, basis for
 judgment of poisoning in natural
 waters & the characterization of
 poisoning with notes on experimental
 determination of toxicity.

SJH:tl

F

Ryhänen, R. (1958) 59-9155
Verh.int.Ver.Limnol., 13:596-602
 Einwirkung einer Kupfergrube auf
 einen dystrophen See (The
 influence of a copper mine on a
 dystrophic lake)

Description of the influence of waste
 waters from a copper mine in
 Finland on a lake.

SJH:tl

F

Huet, M. (1958) 59-9153
Verh.int.Ver.Limnol., 13:584-9
 Corrélations entre l'analyse
 biologique et l'analyse physico-
 chimique des eaux courantes rhéophiles
 polluées par matières organiques
 (Correlation between biological and
 physico-chemical analyses of stream
 rheophile waters polluted by organic
 matter)

Contains the results of studies
 carried out by Belgian laboratories to
 determine physico-chemical criteria
 corresponding to different degrees of
 pollution.

SJH:hr

F

Harrison, A.D. (1958) 59-9156
Verh.int.Ver.Limnol., 13:603-10
 The effects of sulphuric acid
 pollution on the biology of streams
 in the Transvaal, South Africa

Description of the influence of acid
 waters from gold & coal mining
 activities on the biology of the
 streams.

SJH:tl

F

Sládeček, V. (1958) 59-9157
Verh.int.Ver.Limnol., 13:611-6
 Die Abhängigkeit des Belebtschlammver-
 fahrens von physikalischen, chemischen
 und biologischen Faktoren (The
 influence of physical, chemical and
 biological factors on the activated
 sludge method)

Contents as per title.

SJH:tl

F

Lodge, M. & 59-9160
 P.C.G. Isaac (1958)
Verh.int.Ver.Limnol., 13:628-35
 A study of the growth and some
 aspects of the metabolism of certain
 members of the Cyanophyceae in the
 symbiotic stabilization of sewage

Description of the results of
 experiments with Cyanophyceae
 culture in England.

SJH:tl

F

Uhlmann, D. (1958) 59-9158
Verh.int.Ver.Limnol., 13:617-23
 Die biologische Selbstreinigung in
 Abwasserteichen (Biological
 selfpurification in waste water
 ponds)

Zonation of groups of organisms in the
 ponds & their purification effects.

SJH:tl

F

Šrámek-Hušek, R. (1958) 59-9161
Verh.int.Ver.Limnol., 13:636-45
 Die Rolle der Ciliatenanalyse bei der
 biologischen Kontrolle von
 Flussverunreinigungen (The role of
 the ciliate analysis in the biological
 control of river pollutions)

Discussion on the different spp. of
 ciliates as indicators for different
 pollution stages.

SJH:tl

F

Schulze, E. (1958) 59-9159
Verh.int.Ver.Limnol., 13:624-7
 Biologisch-chemische Vorgänge bei der
 Nitratbehandlung von Abwässern
 (Biological-chemical processes at the
 nitrate treatment of waste waters)

Short review.

SJH:tl

F

Segerstråle, S.G. (1958) 59-9162
Verh.int.ver.Limnol., 13:646-71
 Brackish water - A quarter century
 of brackishwater research

A review of brackish water problems
 & research with extensive classified
 bibliography.

SJH:tl

MF

Nisbet, M., G. Petit 59-9163
 & D. Schachter (1958)
Verh.int.Ver.Limnol., 13:672-5
 Caractères chimiques de quelques
 étangs méditerranéens - Considérations
 sur la classification des eaux
 saumâtres (Note préliminaire)
 (Chemical characteristics of some
 Mediterranean ponds - Considerations
 on the classification of brackish
 waters - Preliminary note)

Enumeration of chemical characteristics
 of some Mediterranean brackish waters
 & their changeable constitution.

SJH:hr

MF

Caspers, H. (1958) 59-9166
Verh.int.Ver.Limnol., 13:687-98
 Biologie der Brackwasserzonen im
 Elbeästuar (Biology of the
 brackish water zones in the estuary
 of Elbe)

Description of the flora, fauna &
 general ecology of the different
 zones.

SJH:tl

MF

Schachter, D. (1958) 59-9164
Verh.int.Ver.Limnol., 13:676-82
 Contribution à l'étude écologique
 d'un étang méditerranéen - Le plancton
 de l'étang de l'Olivier (B.D.R.)
 (Contribution to the ecological study
 of a Mediterranean pond - The plankton
 of the pond of Olivier, B.D.R.)

A physico-chemical & planktonological
 study, chemical characteristics & zoo-
 & phytoplankton components are listed.

SJH:hr

MF

Băcesco, M. & 59-9167
 H. Dumitresco (1958)
Verh.int.Ver.Limnol., 13:699-709
 Les lagunes en formation aux
 embouchures du Danube et leur
 importance pour les poissons
 migrateurs (The lagoons being
 formed at the mouth of the Danube
 and their value for the migratory
 fishes)

A study of the flora & fauna of the
 lagoons indicates their value as
 nursery grounds for a number of spp.
 of sturgeons, cyprinids, shads etc.

SJH:tl

MF

Bourrelly, P. (1958) 59-9165
Verh.int.Ver.Limnol., 13:683-6
 Algues microscopiques de quelques
 cuvettes supralittorales de la région
 de Dinard (Microscopic algae of
 some supralittoral basins of the
 Dinard region)

Records of algae in several basins.

SJH:hr

MF

Schlieper, C. (1958) 59-9168
Verh.int.Ver.Limnol., 13:710-7
 Über die Physiologie der Brack-
 wassertiere (On the physiology of
 brackish water animals)

General review of the physiological
 problems, specific to brackish
 water animals.

SJH:tl

MF

Lagerspetz, K. (1958) 59-9169
Verh.int.Ver.Limnol., 13:718-21
 The brackish-water tolerance of some
 freshwater crustaceans

Description of the response of
Daphnia & Asellus spp. to various
 salinities.

SJH:tl

MF

Hoestlandt, H. (1958) 59-9172
Verh.int.Ver.Limnol., 13:736-42
 Reproduction de l'aloise atlantique
 (Alosa alosa Linné) et transfert au
 bassin méditerranéen (Reproduction
 of the Atlantic shad, Alosa alosa
 Linné, and its transplantation to the
 Mediterranean basin)

A. alosa, A. fallax & A. rhodanensis
 are found in France. The 1st returns
 to rivers after 3 to 8 years; spawns
 at +18°C; fertilized eggs of the sp.
 were transferred to the Mediterranean,
 kept in moisture at +18°C.

SJH:tl

MF

Droop, M.R. (1958) 59-9170
Verh.int.Ver.Limnol., 13:722-30
 Optimum relative and actual ionic
 concentrations for growth of some
 euryhaline algae

Results of laboratory culture
 experiments.

SJH:tl

MF

Müller, W. (1958) 59-9173
Verh.int.Ver.Limnol., 13:743-7
 Das Wachstum der Quappe (Lota lota L.)
 im Oderhaff und in deutschen Gewässern
 (Growth of burbot, Lota lota L., in
 lagoon of the Oder and in German
 waters)

Contents as per title.

SJH:tl

MF

D'Ancona, U. (1958) 59-9171
Verh.int.Ver.Limnol., 13:730-5
 Fish - Comparative biology of eels in
 the Adriatic and in the Baltic

Description of the developmental stages
 of elvers in different localities in
 Mediterranean.

SJH:tl

MF

Backiel, T., et al. (1958) 59-9174
Verh.int.Ver.Limnol., 13:748-53
 Ein Versuch zur Erhöhung der
 Fischproduktion auf biocönotischer
 Grundlage (Experiments on
 increasing the fish production on
 biocoenotical basis)

Discussion on possibilities of
 increase of fish production by
 artificial fertilization.

SJH:tl

F

Le Cren, E.D. (1958) 59-9175
Verh.int.Ver.Limnol., 13:754-7
Preliminary observations on
populations of Salmo trutta in becks in
Northern England

Notes on length frequencies,
population densities, food, spawning
activities & migrations.

Morawa, F.W.F. (1958) 59-9178
Verh.int.Ver.Limnol., 13:770-5
Einige Beobachtungen über die
Schwankungen der Fett- und Wasser-
gehaltes von Fischen aus
verschiedenen Umweltverhältnissen
(Some observations on the variations
of fat & water content of fishes
from different environmental
condition)

Contents as per title.

SJH:tl

MF

SJH:tl

F

Vibert, R. (1958) 59-9176
Verh.int.Ver.Limnol., 13:758-64
Critères et tests de rusticité chez
les truites et les saumons
(Criteria and test of hardiness among
trout and salmon)

The causes of mortality among trout
& salmon are: currents, extreme
temperatures, & predators. A
comparative method for test of degrees of
hardiness to those causes is described
& discussed.

SJH:hr

F

Tonolli, V. (1958) 59-9179
Verh.int.Ver.Limnol., 13:776-7
Other zoological studies -
Zooplankton swarms

Short discussion on the causes &
characteristics of swarming.

SJH:tl

F

Wu, H.-W. & 59-9177
C.-C. Jao (1958)
Verh.int.Ver.Limnol., 13:765-9
Fish farming in the shallow lakes in
China

Characteristics of lakes & fish
used for culture with notes on
essential features of pisciculture
in lakes.

SJH:tl

F

Elgmork, K. (1958) 59-9180
Verh.int.Ver.Limnol., 13:778-84
On the phenology of Mesocyclops
oithonoides (G.O.Sars)

Description of the annual cycle &
its relations to environmental
conditions.

SJH:tl

F

Hamilton, J.D. (1958) 59-9181
Verh.int.Ver.Limnol., 13:785-8
On the biology of *Holopedium gibberum*
Zaddach (Crustacea: Cladocera)

Description of the jelly mass,
coloration & distribution of the
organism.

SJH:tl

F

Wülker, W. (1958) 59-9184
Verh.int.Ver.Limnol., 13:805-13
Die Bedeutung der Chironomiden für die
limnologisch- tiergeographische
Charakterisierung des Hochschwarz-
waldes (The importance of
chironomids for the limnological-
zoogeographical characterization of
the higher Black Forest)

Contents as per title.

SJH:tl

F

Lieder, U. (1958) 59-9182
Verh.int.Ver.Limnol., 13:789-98
Ablaufsformen und Tempo der Evolution
der polytypischen baltischen
Planktoncladoceren (Developmental
stages & speed of the evolution of
the polytypical Baltic planktonic
cladocerans)

Contents as per title.

SJH:tl

MF

Seggerstråle, S.G. (1958) 59-9185
Verh.int.Ver.Limnol., 13:814-6
The immigration history of the
aquatic fauna of Northern Europe

Review of the development of the
aquatic fauna after last glaciation
in North Europe.

SJH:tl

MF

Koshov, M.M. (1958) 59-9183
Verh.int.Ver.Limnol., 13:799-804
Über die Genesis der ökologischen
Hauptkomplexe in der heutigen Fauna
des Baikalsees (On the genesis of
the principal ecological complexes of
the present fauna of the Lake Baikal)

Description of the typical faunal
components in the lake & their origin.

SJH:tl

F

Palmén, E. (1958) 59-9186
Verh.int.Ver.Limnol., 13:817-22
Periodic emergence in some North
European chironomids

Description of the emergence times &
discussion on the possibility of
environmental & biological factors
affecting the emergence.

SJH:tl

MF

Hynes, H.B.N. (1958) 59-9187
Verh.int.Ver.Limnol., 13:826-33
 The effect of drought on the fauna of a
 small mountain stream in Wales

Contents as per title.

SJH:tl

F

Jónasson, P.M. (1958) 59-9190
Verh.int.Ver.Limnol., 13:860-6
 The mesh factor in sieving techniques

Influence of the mesh size of the
 sieves on the determination of benthos
 biomass.

SJH:tl

F

Illies, J. (1958) 59-9188
Verh.int.Ver.Limnol., 13:834-44
 Die Barbenregion mitteleuropäischer
 Fliessgewässer (The barbel region
 of the running waters of Central Europe)

Characterization of the region mainly
 on the bases of bottom substance &
 its populations.

SJH:tl

F

Slanina, K. (1958) 59-9191
Verh.int.Ver.Limnol., 13:867-72
 Die Durchführung von Drahtlotungen und
 der Einsatz eines neuartigen
 Tiefenlotes (Faltlot) bei der
 Vermessung des Zeller Sees
 (Conduction of soundings with line and
 the use of a new depth sounder - flat
 sounder - in measuring the Zeller
 Lake)

Handling of the lead & line &
 description of new sounding weight
 for soft bottom.

SJH:tl

F

Stella, E. (1958) 59-9189
Verh.int.Ver.Limnol., 13:850-4
 The population of some springs at
 different heights in Lazio (Italy)

Lists of aquatic fauna & flora.

Suomalainen, P. (1958) 59-9192
Verh.int.Ver.Limnol., 13:873-8
 Der Sauerstoffverbrauch einiger
 finnischen Gammarus-Arten
 (The oxygen consumption of some
 Finnish Gammarus species)

Contents as per title.

SJH:tl

F

SJH:tl

MF

Teiling, E. (1958) 59-9193
Verh.int.Ver.Limnol., 13:879-82
 Other botanical studies - Eulimnion,
 an original place of new forms

Description of the ecological
 condition of eulimnion, specially in
 respect of desmid spp.

SJH:tl

F

Fogg, G.E. & 59-9196
 J.D.A. Miller (1958)
Verh.int.Ver.Limnol., 13:892-5
 The effect of organic substances on the
 growth of the freshwater alga
Monodus subterraneus

Results of experiments with
 laboratory cultures.

SJH:tl

F

Manguin, E. (1958) 59-9194
Verh.int.Ver.Limnol., 13:883-6
 Importance de l'étude des vases
 lacustres dans la connaissance du
 phytoplancton (Importance of the
 study of core sediments of lakes for
 the knowledge of phytoplankton)

Records of diatoms from samples of core
 sediments indicate the value of such
 samples for the knowledge of the
 phytoplankton & nature of lake.

SJH:hr

F

Overbeck, J. (1958) 59-9197
Verh.int.Ver.Limnol., 13:896-900
 Meeresdüngungsversuche in einem
 Boddengewässer Rügens (Experiments
 on fertilization of the sea in a
 lagoon of Rügen Island)

Description of the fertilization
 experiment & its effects on
 phytoplankton growth.

SJH:tl

MF

Mangerel, P. (1958) 59-9195
Verh.int.Ver.Limnol., 13:887-91
 Sur la prolifération inopportune d'un
Pediastrum (On the inopportune
 proliferation of a Pediastrum)

Discusses the origin of the
 proliferation of Pediastrum clathratum.

SJH:hr

F

Quennerstedt, N. (1958) 59-9198
Verh.int.Ver.Limnol., 13:901-6
 Effect of water level fluctuation
 on lake vegetation

Contents as per title.

SJH:tl

F

Seidel, K. (1958) 59-9199
Verh.int.Ver.Limnol., 13:907-14
 Probleme über Phaenotypus und -
 Genotypus bei Pflanzen verschiedenster
 Gewässer (Problems on phenotype
 and genotype by plants from different
 waters)

Description of the influence of
 different chemism & sediments of the
 water on the growth & appearance of the
 aquatic plants.

SJH:tl

MF

Jannasch, H.W. (1958) 59-9202
Verh.int.Ver.Limnol., 13:947-9
 Die bakterielle Rotfärbung der
 Salzseen des Wadi Natrun
 (Bacterial red discoloration of the
 saline lakes of the Wadi Natrun,
 Egypt)

Short summary on the observed
 discoloration & organisms causing it.

SJH:tl

MF

Olsen, S. (1958) 59-9200
Verh.int.Ver.Limnol., 13:915-22
 Phosphate adsorption and isotopic
 exchange in lake muds - Experiments
 with P₃₂. Preliminary report

Description of the phosphorus exchange
 between the sediment & water above, as
 deducted from the results of
 experiments with use of radioactive
 phosphorus in some Danish lakes.

SJH:tl

F

Gieysztor, M., H. Klimowicz 59-9203
 & A. Praszkiwicz (1958)
Verh.int.Ver.Limnol., 13:950-2
 Recherches sur le zooplankton et les
 mollusques des eaux saumâtres de la
 Pologne hors de la mer Baltique
 (Researches on zooplankton and
 molluscs of the brackish waters of
 Poland out of the Baltic Sea)

Preliminary observations on flora,
 fauna & salinity on the lagoon of the
 Vistula.

SJH:hr

MF

Mortimer, C.H. & 59-9201
 F.J.H. Mackereth (1958)
Verh.int.Ver.Limnol., 13:923-32
 Convection and its consequences in ice-
 covered lakes

Description of thermal structures of
 lakes in Northern Sweden & their
 effects on the chemistry of the lakes.

SJH:tl

F

Märki-Bleiker, E. (1958) 59-9204
Verh.int.Ver.Limnol., 13:953-8
 Stausee Marmorera - Chemismus und
 Besiedlung (Artificial Lake
 Marmorera - Its chemistry and
 population)

Description of an artificial lake -
 reservoir lake.

SJH:tl

F

Schmitz, W. (1958) 59-9205
Verh.int.Ver.Limnol., 13:959-60
Ökologisch-physiologische Probleme der
Besiedlung versalzener Binnengewässer
(Ecological-physiological problems
of the population of saline inland
waters)

Short review of the chemistry of
inland saline waters.

SJH:tl

MF

Pruginin, Y. (1959) 59-9208
Typescript, August 17, 1959, 22 p.
Separation of the sexes of Tilapia
nilotica using a mechanical grader

Method depends on sex differences
in growth rate which permit self-
separation of live fish by grills
because of differing body widths.
Developed in Alabama in connection
with work on mono-sex culture in
Israel, so that mixed culture with
Cyprinus carpio may not in future
failure because of the rapid
reproduction of the Tilapia. Method
is interesting in relation to studies
of selectivity of fishing gear.

WAD:sjh

FG

Elster, H.-J. (1958) 59-9206
Verh.int.Ver.Limnol., 13:961-73
Zum Problem der quantitativen Methoden
in der Zooplanktonforschung
(On the problem of quantitative methods
in zooplankton investigation)

Review of the catching properties
of different gear.

SJH:tl

F

U.K. Herring Industry 59-9209
Board (1958?)
Cmmd (435), Session 1957-58
23rd annual report for 1957.
Corrigendum

M

Thienemann, A. (1958) 59-9207
Verh.int.Ver.Limnol., 13:979-1012
Internationale Vereinigung für
theoretische und angewandte Limnologie
(International Association of
Theoretical and Applied Limnology)

List of officers & members.

SJH:tl

G

U.N. (1957) 59-9210
September
Uniform system of buoys and shore
marks for inland waterways in Asia
and the Far East

F

Abercrombie, M. et al. (1957) 59-9211
Harmondsworth, Penguin Books, 251 p.
A dictionary of biology

Mansueti, R. (1958) 59-9214
Maryland, Dep. of Research &
Education, mimeo, 14 p.
A brief bibliographic review of the
history of the fish and fisheries of
the lower Susquehanna River region
in Maryland and Pennsylvania

Fulker, F. (1958) 59-9212
London, Harrap, 182 p.
Hales and whaling

Elser, H.J. & R. Mansueti (1958) 59-9215
Maryland, Dep. of Research &
Education, mimeo, 9 p.
Notes on the chain pickerel in
Maryland

Mansueti, R. & 59-9213
G. Murphy (1958)
Maryland, Dep. of Research &
Education, mimeo, 11 p.
Biology and management, Potomac
River fin-fisheries

Mansueti, R. & 59-9216
H. Elser (1958)
Maryland, Dep. of Research &
Education, mimeo, 8 p.
Results of a seining survey in
Kimball's Pond, Kent Island,
Maryland, and an annotated bibliography
to the introduction of striped bass
in ponds

Mansueti, R. (1957) 59-9217
Maryland, Dep. of Research &
Education, mimeo, 26 p.
Revised key to Maryland freshwater
fishes

F

California University 59-9220
Scripps Institution of
Oceanography (1959)
Phys.chem.Data Rep.Scripps Instn
Oceanogr., (104)
Cruise 5801 - 8 January-2 February
1958

M

FAO. Fisheries Division 59-9218
Biology Branch (1959)
Rome, mimeo
International training centre on the
methodology and techniques of research
on mackerel (Rastrelliger)

M

Strickland, J.D.H. (1958) 59-9221
Manuscr.Rep.Ser.Fish.Res.Bd Can., (18)
Standard methods of seawater
analyses - Vol. I. A re-printing
including recent addenda

M

Sunde, L.A. & 59-9212
C.C. Linsey (1958)
Mus.Contr.Inst.Fish.Univ.B.C., (1)
Revised key to the rockfishes
(Scorpaenidae) of British Columbia

M

Strickland, J.D.H. (1958) 59-9222
Manuscr.Rep.Ser.Fish.Res.Bd Can., (19)
Standard methods of sea water
analyses - Vol. II.

M

Deutsches Hydrographisches 59-9223
 Institut (1958)
Meereskundl.dtsch.hydrogr.Inst., (19)
 Beobachtungen auf den deutschen
 Feuerschiffen der Nord- und Ostsee im
 Jahre 1956 sowie Monatsmittelwerte von
 Temperatur und Salzgehalt der Jahre
 1948 bis 1956 (Observations on
 board of German light-ships in the
 North Sea and in the Baltic during 1956
 and monthly mediums of temperature and
 salt content during the years 1948-
 1956)

1

Blume, W. (1958) 59-9226
Opusc.zool., (25)
 Littoridinen aus dem Titicacasee
 (Mollusca) (Littoridins from
 Lake Titicaca)

F

Trotti, L. (1957) 59-9224
Pubbl.Cent.talassogr.tirreno, (19)
 Contributo alla conoscenza delle
 correnti superficiali del Mar Ligure
 (Contribution to the knowledge of
 surface currents in the Ligurian Sea)

M

Chew, K.K. & 59-9227
 R. Eisler (1958)
Contr.Univ.Wash.Sch.Fish., (31)
 Preliminary study of the feeding
 habits of the Japanese oyster drill,
Ocenebra japonica

2

William, C.G. & 59-9225
 G. Gunter (1958)
Tech.Summ.Gulf St.Mar.Fish.Comm., (1)
 Sea trout or weakfishes (genus
Cynoscion) of the Gulf of Mexico)

E

Eisler, R. (1958) 59-9228
Contr.Univ.Wash.Sch.Fish., (37)
 Some effects of artificial light
 on salmon eggs and larvae

MF

Lebedev, V.L. (1957) 59-9229
In 59-9140:77-8
(Downwind drift of iceberg fragments).
Ru

M

Dangeard, P. (1959) 59-9232
C.R.Acad.Sci., Paris, 249:1601-3
Sur le développement de deux
entéromorphes du Maroc (On the
development of two enteromorphs from
Morocco)

Enteromorpha gayralii.

FAO:sjh

M

Lebedev, V.L. (1957) 59-9230
In 59-9140:98-9
(Behaviour of whales in sea ice). Ru

M

Bourcart, J. (1959) 59-9233
C.R.Acad.Sci., Paris, 249:1699-700
Sur la répartition des sédiments en
Méditerranée occidentale
(On the distribution of sediments in
the western Mediterranean)

Continues discussion begun in 59-8545
& discusses 59-9461.

FAO:sjh

M

Milner, G.W.C. & 59-9231
G.A. Barnett (1958)
U.K.Atomic Energy Authority(A.E.R.E.),
C/R2723
Field laboratory methods for the
determination of uranium in non-saline
waters

F

Eiseley, L. (1958) 59-9234
New York, Doubleday & Co., Inc.,
378 p.
Darwin's century - Evolution and the
men who discovered it

Historico-biographical book,
with reference to the "Beagle" &
other voyages of biological
exploration.

FAO:sjh

G

Mertens, R. (1958) 59-9235

Treubia, 24:83-105

Amphibien und Reptilen aus dem
äussersten Westen Javas und von
benachbarten Eilanden (Amphibia
and reptiles from the very far west
of Java and the adjacent islands)

Spp. lists, ill. taxonomic
descriptions, distribution & ecological
notes; incl. aquatic forms.

FAO:sjh

MT

Caballero, E.C. & 59-9238

R.R. Brenes M. (1958)

An.Inst.Biol.Univ.Mex., 29(1-2):
165-79

Helminos de la Republica de Costa
Rica - VII. Trematodos de algunos
vertebrados salvajes, con
descripcion de una nueva especie
de Acanthostomum Looss, 1899
(Helminths of the Republic of Costa
Rica - VII. Trematodes from some
vertebrate hosts, with a description
of a new species of Acanthostomum
Looss, 1899)

Proterodiplostomum medusae &

Serene, R., Tran Van Duc 59-9236
& N. Van Luom (1958)

Treubia, 24:135-242

Eumedoninae du Viet-Nam (Crustacea)
(avec un bibliographie de la sous-
famille) (Eumedoninae of Viet-Nam -
Crustacea (with a bibliography of the
sub-family))

Ill. taxonomic description &
discussion with notes on distribution
& biometrics, & ecology of Echinoecus,
Ceratocarcinus, Harrovia & Zebrida spp.
Spp. lists & synonymy.

FAO:sjh

M

59-9238

(Card 2)

Acanthostomum acuti from Crocodylus
acutus.

FAO:sjh

F

Norway. 59-9237

Fiskeridirektøren (1957)

Aarsberetn.Norg.Fisk., (11):110 p.

Fiskeriinspektørenes virksomhet 1956
(The activities of fisheries
inspectors during 1956)

Reports by districts on the conditions
of various fisheries & the marketing
of fishery products, incl. notes on
the activities of fisheries inspectors.

FAO:tl

M

Caballero, E.C., M.C. 59-9240

Zerecero y D. & R.G.Grocott (1958)

An.Inst.Biol.Univ.Mex., 29(1-2):
181-202

Helminos de la Republica de Panama -
XXI. Algunos trematodos de
quelonios de agua dulce
(Helminths of the Republic of Panama -
XXI. Some trematodes of freshwater
turtles)

Helicotrema, Nematophila, Telorchis
from Geomyda; Telorchis, Schizamphi-
stomoides from Pseudemys; Heronimus
from Kinosternon.

FAO:sjh

F

Bravo Hollis, M. & 59-9241
 R.R. Brenes M. (1958)
An.Inst.Biol.Univ.Mex., 29(1-2):203-7
 Trematodos de peces marinos de aguas
 mexicanas - XV. Una nueva especie de
Multitestis Manter, 1931, de la familia
Allocreadiidae Stossich, 1904
 (Trematodes from marine fishes in
 Mexican waters - XV. A new species of
Multitestis Manter 1931, of the family
Allocreadiidae Stossich 1904)

Description of M. nasusi from
Menticirrhus nasus, N. Pacific.

FAO:sjh

M

Villalobos, A. (1958) 59-9244
An.Inst.Biol.Univ.Mex., 29(1-2):303-27
 Estudios de los camarinos mexicanos -
 XIV. Estudio comparativo de las
 especies mexicanas del subgrupo
Blandingii (Studies on Mexican
 crayfishes - XIV. Comparative study of
 the Mexican species of the sub-group
Blandingii)

Descriptions & ecology of
Procambarus spp.

FAO:sjh

F

Hidalgo Escalante, E. (1958) 59-9242
An.Inst.Biol.Univ.Mex., 29(1-2):209-17
 Hallazgo de una nueva especie de
 capsala, Capsala pricei n.sp.
 (Trematoda, Monogenea) en un pez marino
 del Puerto de Mazatlan Sinaloa, Mexico
 (Discovery of a new species of
 capsala, Capsala pricei, n.sp.,
 trematoda, monogenea, in a marine fish
 from Port Mazatlan Sinaloa, Mexico)

Host in Pacific marlin, Makaira
mitzukurii.

FAO:sjh

MA

Ingles, L.G. (1958) 59-9245
An.Inst.Biol.Univ.Mex., 29(1-2):379-408
 Notas acerca de los mamiferos
 mexicanos (Notes on Mexican
 mammals)

Incl. note on Sirenica, Trichechus
manatus, from eastern rivers &
Grampus rectipinna from Bahia de San
 Carlos.

FAO:sjh

MF

Rioja, E. (1958) 59-9243
An.Inst.Biol.Univ.Mex., 29(1-2):219-301
 Estudios anelidologicos - XXII. Datos
 para el conocimiento de la fauna de
 anelidos poliquetos de las costas
 orientales de Mexico (Annelido-
 logical studies - XXII. Data on our
 knowledge of the annelid polychaete
 fauna of the east coast of Mexico)

Ill. descriptive notes - taxonomy &
 distribution & of many spp.

FAO:sjh

M

Krauss, W. (1958) 59-9246
Kieler Meeresforsch., 14:107-13
 Erzwungene interne Gezeiten eines
 zweifach geschichteten Ozeans
 (Forced internal tides in a two-
 layered ocean)

Theoretical treatment of the internal
 waves with large amplitude & with
 the same period as tide generating
 forces.

FAO:tl

M

Schlieper, C. & R. Kowalski (1958) 59-9247
Kieler Meeresforsch., 14:114-29
 Der Einfluss gelöster organischer Zellnahrungsstoffe und anorganischer stickstoffhaltiger Verbindungen auf die Cilienaktivität der isolierten Kiemen von Mytilus edulis L.
 (The influence of the dissolved cell nutrients & inorganic nitrogen containing compounds on the activity of cilies of the isolated gills from Mytilus edulis L.)

Results of laboratory experiments with great number of chemicals.

FAO:tl

M

Juhl-Noodt, H. (1958) 59-9250
Kieler Meeresforsch., 14:167-74
 Beiträge zur Kenntnis der peruanischen Meeresalgen - I. (Contributions to the knowledge of Peruvian marine algae - I.)

List of spp. found with few notes on ecology.

FAO:tl

M

Schwenke, H. (1958) 59-9248
Kieler Meeresforsch., 14:130-50
 Über einige zellphysiologische Faktoren der Hypotonieresistenz mariner Rotalgen (On some cell-physiological factors of the hypotony-resistance of marine red algae)

Discussion on the relations between chemical components of sea water & osmotic resistance, & some experiments explaining the mechanisms of resistance.

FAO:tl

M

Gerlach, S.A. (1958) 59-9251
Kieler Meeresforsch., 14:175-6
 Ein neuer Vertreter der Gnathostomulida (Turbellaria?) aus dem Meeressand der Maladiven (A new representative of Gnathostomulida, Turbellaria?, from the marine sand of Maladives)

Description of the new sp.
Gnathostomula maldivarum.

FAO:tl

M

Meyer, H. (1958) 59-9249
Kieler Meeresforsch., 14:151-66
 Vergleichende Untersuchungen über den Einfluss der Gonadenentwicklung auf die Relation der ungesättigten Fettsäuren im Depotfett von Ostseeheringen (Comparative investigations on the influence of gonad development on the relation of the unsaturated fatty acids in accumulating fat of Baltic herring)

Seasonal variation of the composition of fats & fatty acids in the Baltic herring.

FAO:tl

MF

Korn, H. (1958) 59-9252
Kieler Meeresforsch., 14:177-86
 Zur Unterscheidung der Larven von Harmothoe Kinberg 1857 (On the identification of the larvae of Harmothoe Kinberg 1857)

Ecology of the larvae, occurrence of the 3 adult spp., description of larval development & notes on the identification.

FAO:tl

MF

Naguib, M. (1958) 59-9253
Kieler Meeresforsch., 14:187-222
Studies on the ecology of Lake Qarûn
(Faiyum Egypt) - Part I.

Description of the physical &
chemical properties of the lake -
T, S‰, O₂, pH & nutrient salt -
during 1953 to 1955.

FAO:tl

MF

Hartmann-Schröder, G. (1958) 59-9256
Kieler Meeresforsch., 14:233-40
Einige Polychaeten aus dem
Küstengrundwasser der Bimini-Inseln
(Bahamas) (Some polychaets from
the coastal ground waters of Bimini
Island, Bahamas)

Description of 2 known & 4 new spp.

FAO:tl

M

Noodt, W. (1958) 59-9254
Kieler Meeresforsch., 14:223-5
Schizopera pratensis n.sp. von
Salzwiesen der deutschen Meeresküste
(Crustacea, copepoda) (Schizopera
pratensis n.sp. from the salt
marshes of the German coast -
Crustacea, copepoda)

Description of the sp.

FAO:tl

M

Gerlach, S.A. (1958) 59-9257
Kieler Meeresforsch., 14:241-6
Freilebende Nematoden von den
Korallenriffen des Roten Meeres
(Free living nematods from the coral
reefs of the Red Sea)

Taxonomic description of the spp.
found.

FAO:tl

M

Hartmann, G. (1958) 59-9255
Kieler Meeresforsch., 14:226-32
Ostracoden von der französischen
Mittelmeerküste (Ostracods from
the French Mediterranean coast)

Description of the spp. found.

FAO:tl

M

Wright, J.C. (1959) 59-9258
Limnol.Oceanogr., 4:235-45
Limnology of Canyon Ferry reservoir -
II. Phytoplankton standing crop and
primary production

Relations between chlorophyll, cell
volume & dry weight of phytoplankton,
composition of the seston, rates of
photosynthesis & net production.

HR:tl

F

Bryson, R.A. & 59-9259

C.R. Stearns (1959)

Limnol.Oceanogr., 4:246-51

A mechanism for the mixing of the waters of Lake Huron and South Bay, Manitoulin Island

Description of the mechanism of mixing by seiche, , & the controlling of the intensity of mixing by the amplitude of the seiche.

HR:tl

F

Jones, G.E. &

59-9262

H.W. Jannasch (1959)

Limnol.Oceanogr., 4:269-76

Aggregates of bacteria in sea water as determined by treatment with surface active agents

Determination of the influence of various concentrations of surface active agents - Tween 80, MYRJ-52, Renex 31 & Dow Corning Antifoam AF emulsion - on bacterial plate counts as compared to untreated controls. Direct microscopic examination of the occurrence of clumped bacteria in sea water.

HR:tl

M

McCombie, A.M. (1959) 59-9260

Limnol.Oceanogr., 4:252-8

Some relations between air temperatures and the surface water temperatures of lakes

Description of the relations by monthly linear regressions for South Bay, Ontario, Lake Opeongo, Ontario & Lake Mendota, Wisconsin.

HR:tl

F

Rice, T.R. &

59-9263

V.M. Willis (1959)

Limnol.Oceanogr., 4:277-90

Uptake, accumulation and loss of radioactive cerium-144 by marine planktonic algae

Speed of uptake of dissolved & particulate cerium-144 concentration factors, speed of loss in non-active medium & influence of chelating compounds on the speed of uptake & loss.

HR:tl

M

Conover, R.J. (1959) 59-9261

Limnol.Oceanogr., 4:259-68

Regional and seasonal variation in the respiratory rate of marine copepods

Determination of respiratory rate of 7 spp. of marine calanoid copepod at the same temperature, comparison of respiration in zooplankton crustaceans of different size; demonstration that the seasonal variation in metabolism of several spp. of copepods is independent from temperature.

HR:tl

M

Hayes, F.R. &

59-9264

M.A. MacAulay (1959)

Limnol.Oceanogr., 4:291-8

Lake water and sediment - V. Oxygen consumed in water over sediment cores

Establishment of a productivity equation; results of measurements of oxygen consumption in water over mud in undisturbed & repacked mud samples taken from 16 east coast Canadian lakes.

HR:tl

F

Hayes, F.R. & 59-9265

E.H. Anthony (1959)
Limnol.Oceanogr., 4:299-315

Lake water and sediment - VI. The standing crop of bacteria in lake sediments and its place in the classification of lakes

Description of a field apparatus for lake water & sediment bacteria; determination of the errors involved; distribution of the quantities of bacteria with the depth in the sediment core; relations between bacteria counts & alkalinity, conductivity & O₂ consumption over mud.

HR:tl

F

McConnell, W.J. & 59-9268

W.F. Sigler (1959)
Limnol.Oceanogr., 4:335-51

Chlorophyll and productivity in a mountain river

Determination of chlorophyll, primary production, & standing crop of insects & fish in Logan River, Utah.

HR:tl

F

Hicks, S.D. (1959) 59-9266

Limnol.Oceanogr., 4:316-27
The physical oceanography of Narragansett Bay

Description of tidal characteristics, non-tidal circulation & temperature & salinity distributions.

HR:tl

M

Davis, C.C. (1959) 59-9269

Limnol.Oceanogr., 4:352-5
A planktonic fish egg from fresh water

Description of the eggs of Aplodinotus grunniens & their development.

HR:tl

F

Pratt, D.M. & 59-9267

H. Berkson (1959)
Limnol.Oceanogr., 4:328-34

Two sources of error in the oxygen light and dark bottle method

Experiments showing the consumption of O₂ by bacteria & the changes of plankton population in the bottles.

HR;tl

M

Ryther, J.H., C.S. Yentsch 59-9270
& G.H. Lauff (1959)

Limnol.Oceanogr., 4:357-65
Sources of limnological and oceanographic apparatus and supplies

List of apparatus & supplies, & addresses of firms manufacturing or selling them.

HR:tl

MF

U.K. Ministry of Transport 59-9271
 & Civil Aviation (1958)
 London, H.M.S.O.
 Marine and aviation insurance (war risks) act, 1952. Agreements concluded under sect. 1(1) of the act: British fishing vessels mutual war risks association limited and the Minister of Transport and Civil Aviation for the re-insurance against war risks of fishing vessels entered in the association. Feb. 21, 1958

M

Collins, A.C. (1958) 59-9274
Sci.Rep.Gr.Barrier Reef Exped., 6(6):
 Foraminifera

M

U.K. Ministry of Transport 59-9272
 & Civil Aviation (1958)
 London, H.M.S.O.
 Marine and aviation insurance (war risks) act, 1952. Agreements concluded under sect. 1(1) of the act: fishing vessels co-operative insurance society limited, and the Minister of Transport and Civil Aviation for the re-insurance of inshore fishing vessels against war risks. Feb. 21, 1958

M

U.K. Meteorological 59-9275
 Office (1958)
 London, H.M.S.O., M.O. 515
 Weather maps with tables of the specifications and symbols.
 Instructions for preparation

M

Thomas, H.J. (1958) 59-9273
 London, H.M.S.O.
 Lobster storage

M

Nair, N.Balakrishnan & 59-9276
 H. Leivestad (1959)
Publ.biol.Sta., Espegrend., (27):12 p.
 On the limiting factors in the distribution of two wood-boring crustaceans of Norway

Effect of low temperature & low salinity on Limnoria lignorum (Rathke) & Chelura terebrans Philippi have been determined. The influence of these limiting factors on the distribution of these crustaceans is briefly discussed.

PiB:nbn

M

Rokstad, G. (1958) 59-9277
Aarsberetn.Norg.Fisk., 1957(9):5-9
Forsøksfiske på nordre felt under stor-
og vårsildfisket 1957 (Experimental
fishing on the northern grounds during
fat- and spring herring fishery 1957)

Diary of the experiments with data
on catches.

FAO:tl

M

Ljøen, R. (1958) 59-9280
Aarsberetn.Norg.Fisk., 1957(9):17-27
Rapport om småsild- og feitsildfisket
med M/S G.O. SARS i norskehavet og
Barentshavet fra 9 juli til 31 august
1957 (Small herring and fat
herring trip with M/S G.O. SARS in
the Norwegian Sea and Barents Sea from
9 July to 31 August 1957)

Description of the track, data on
temperature & occurrence of the
herring & other fish found.

FAO:tl

M

Ljøen, R. (1958) 59-9278
Aarsberetn.Norg.Fisk., 1957(9):10-3
Rapport fra tokt med M/S G.M. DANNEVIG
på vårsildfeltet februar-mars 1957
(Investigations on the spring herring
ground and experiments with fishery
asdic with M/S G.M. DANNEVIG)

Diary of the trip with data on sea
temperatures & results of echosoundings.

FAO:tl

M

Anonymous (1958) 59-9281
Aarsberetn.Norg.Fisk., 1957(9):28-32
Trålfiske i Nordsjøen i 1957 med M/S
PEDER RØNNESTAD (Trawl fishery
in the North Sea with M/S PEDER
RØNNESTAD in 1957)

Diary of the trip with data on
catch.

FAO:tl

M

Halås, M. (1958) 59-9279
Aarsberetn.Norg.Fisk., 1957(9):14-6
Om ekkolodding og temperaturmålinger på
søre felt (vårsildfeltet med M/S
SIRAFJORD (Echosounding and
temperature measurements on the spring
herring ground with M/S SIRAFJORD)

Diary of the trip with data on
temperature & results of
echosounding for herring.

FAO:tl

M

Rokstad, G. (1958) 59-9282
Aarsberetn.Norg.Fisk., 1957(9):33-4
Rapport om forsøk med drivgarn på
revkanten med M/S PEDER RØNNESTAD
høsten 1957 (Experiments with drift
nets for herring on the reef slopes -
Jimmyfeltet - during the autumn 1957)

Data on the occurrence, drift net,
& midwater trawls catches.

FAO:tl

M

Størkersen, P. (1958) 59-9283
Aarsberetn.Norg.Fisk., 1957(9):35-6
Forsøk med sildetrål av nylon
(Experiments with nylon herring trawl
on Fladen Ground)

Comparison of the uses of cotton &
nylon trawls & data on catches with
nylon trawl.

FAO:tl

M

Bostrøm, O. (1958) 59-9286
Aarsberetn.Norg.Fisk., 1957(9):49-51
Ekkolouding og meldetjeneste av
skreiforekomstene i Lofoten med M/S
PEDER RØINNESTAD (Echo-sounding and
reporting service of the occurrence of
cod in Lofoten with M/S PEDER
RØINNESTAD)

Diary of trips & data on the
occurrence of cod; with two charts.

FAO:tl

M

Anonymous (1958) 59-9284
Aarsberetn.Norg.Fisk., 1957(9):37-40
Fiske med notredskaper i Lofoten i
1957 (Fishery with seines in
Lofoten during 1957)

Conditions for fishing with seines,
data on catches & comparison of
catches with other gear.

FAO:tl

M

Tjemsland, J. (1958) 59-9287
Aarsberetn.Norg.Fisk., 1957(9):52-5
Rapport om forsøksfisket etter kveite
januar-februar 1957 med M/K JENNY
F-103-T og M/K STORØY N-584-G
(Experimental fishing for halibut
during January-February 1957 with M/K
JENNY F-103-T and M/K STORØY N-584-G)

Result of fishing with bottom long
lines in different areas.

FAO:tl

M

Halås, M. (1958) 59-9285
Aarsberetn.Norg.Fisk., 1957(9):41-8
Rapport til fiskeridirektøren om
forholdene under Lofotfisket i 1957
(Report on the conditions of Lofoten
fishery during 1957)

Contents as per title.

FAO:tl

M

Anonymous (1958) 59-9288
Aarsberetn.Norg.Fisk., 1957(9):56-62
Forsøksfiske etter blåkveite utenfor
Vesterålen med M/K MYRTIND N-97-Ø og
M/K MARTIN KARLSEN N-50-LS
(Experimental fishing for black
halibut off Vesterålen with M/K
MYRTIND N-97-Ø and M/K MARTIN KARLSEN
N-50-LS)

Diary of trips: results of catch with
emphasis on distribution of catch with
depth.

FAO:tl

M

Saetersdal, G. (1958) 59-9289
Aarsberetn.Norg.Fisk., 1957(9):63
Maskeviddeforsøk med trål våren 1957
(Mesh size experiment with trawl during
spring 1957)

Short review of the experiments.

FAO:tl

M

Halås, M. (1958) 59-9292
Aarsberetn.Norg.Fisk., 1957(9):70-3
Rapport til fiskeridirektøren om
fiskeforsøk etter ål i Borgenfjorden
Inntrøndelag, høsten 1957
(Experimental fishing for eel in
Borgenfjord, Inntrøndelag, during
autumn 1957)

Result of catches with trap nets;
conclusions on the possibilities of
eel fishery in the fjord.

FAO:tl

MF

Halmø, K. (1958) 59-9290
Aarsberetn.Norg.Fisk., 1957(9):64-7
Rapport om fiskeforsøk med drivliner i
Norskehavet med M/S THOR IVERSEN
november-desember 1957 (Experimental
fishing with drifting long lines in the
Norwegian Sea with M/S THOR IVERSEN
during Nov.-Dec. 1957)

Diary of trips; results of catches of
cod & other fish.

FAO:tl

M

Halmø, K. (1958) 59-9293
Aarsberetn.Norg.Fisk., 1957(9):74-8
Radarreflektorer for merking av
fiskeredskaper (Radar-reflectors
for marking of fishing gear)

Description of the reflector & its
use.

FAO:tl

M

Anonymous (1958) 59-9291
Aarsberetn.Norg.Fisk., 1957(9):68-9
Rapport over forsøk med størjepose av
nylon (Experiment with nylon seine
for tuna during 1956 and 1957)

Notes on the use of nylon seine as
compared to seines of other
material; results of catches.

FAO:tl

M

Romania. Ministerul 59-9294
Industriei Bunurilor de Consum.
Departamentul industriei
Alimentare (1958)
Bul.Inst.Cerc.piscic., 17(4):96 p.

Contains 59-9295 to 59-9305.
Incl. also annotated bibliographic
notes & various short communications.

FAO:sjh

MF

Serpoianu, Gh. & 59-9295
V. Chirilă (1958)
Bul.Inst.Cerc.piscic., 17(4):5-15
Observații asupra condițiilor fizico-
chimice de la limita platoului
continental românesc în regiunea
marină Midia-Mangalia (Observations
on the physico-chemical conditions at
the edge of the Rumanian continental
shelf in the Midia-Mangalia marine area).
Fr Ru

Hydrographic data, 1956-58 from 2
stations in the western Black Sea, show
large salinity differences between
surface & deep waters, a temperature

59-9295
(Card 2)
minimum at 75m; O₂-lack below 100m
& H₂S below 150m. Relation of findings
to pattern of river inflow.

FAO:sjh

MF

Bușniță, Th. & 59-9298
V. Enăceanu (1958)
Bul.Inst.Cerc.piscic., 17(4):31-42
Studiul limnologic al Dunării în
cadrul colaborării internaționale
(Limnological study of the Danube in
the framework of international
collaboration). Fr Ru

Account of the first 2 meetings
in 1956 & 1957, of the international
group for limnological study of the
Danube, formed on initiative of
R. Liepolt, Austria, & contributed to
also by Czechoslovakia, Rumania,
Hungary, USSR, Bulgaria, Federal

59-9298
(Card 2)
Republic of Germany. Plan for work in
1958.

FAO:sjh

F

Mirică, Gh. (1958) 59-9297
Bul.Inst.Cerc.piscic., 17(4):17-30
Lucrările hidrotehnice și hidro-
ameliorative executate în delta Dunării
în ultimii 80 de ani (1878-1957)
(Works of hydrotechnics & water
amelioration in the Danube Delta in the
past 80 years, 1878-1957). Fr Ru

A review, with charts, of works for
improving navigation, fishculture,
agriculture, forestry & soil
conservation, reed culture.
Recommendations for new management
projects.

FAO:sjh

MF

Rodica, L. et al. (1958) 59-9300
Bul.Inst.Cerc.piscic., 17(4):43-54
Cercetări privind efectivul piscicol
din delta Dunării în legătură cu
producția actuală (Research on
fishcultural potential in the
Danube Delta, in relation to
production attained). Fr Ru

Review of hydrologic & hydro-
meteorological regime 1950-57 &
variations of production, by spp.;
special reference to carp.

FAO:sjh

F

Nicolau, A. & S. Luscan (1958) 59-9301
Bul.Inst.Cerc.piscic., 17(4):55-81
 Cercetări privind ritmul de creștere la crapul de cultură de la stațiunea de cercetări piscicole Nucet - Regiunea ploești (The growth rhythm of carp at the Nucet Fishculture Research Station, Ploesti region). Fr Ru

Extensive review, with tabulated data of experiments with Cyprinus carpio 1955-56 in ponds, using marking methods. Recommendations on forage supplies based on the results obtained.

FAO:sjh

F

Nicolau, A. (1958) 59-9304
Bul.Inst.Cerc.piscic., 17(4):85-6
 Acțiunea de marcarea a crapului in lunca inundabilă și delta Dunării (Carp marking programme in flood areas of Danube Delta). Fr Ru

Ill. note on marking of Cyprinus carpio to study migrations & growth.

FAO:sjh

F

Constantinescu, E. (1958) 59-9302
Bul.Inst.Cerc.piscic., 17(4):82-4.
 Observațiuni asupra reproducerii crapului și dezvoltării puietului de crap - in Balta Suhaia - in anul 1957 (Observations on the reproduction of carp and the development of carp fry in Lake Suhaia in 1957). Fr Ru

Short description of this lake, & note showing that conditions are favorable for carp reproduction & development.

FAO:sjh

F

Gomboșiu, V. (1958) 59-9305
Bull.Inst.Cerc.piscic., 17(4):88-9
/Untitled/

Short note on FAO Fishing Gear Congress in Hamburg, 1957.

FAO:sjh

MF

Feodosie, B. (1958) 59-9303
Bul.Inst.Cerc.piscic., 17(4):84-5
 Cîteva observațiuni privind reproducerea crapului in insula Letea in anii 1956-1958 (Some observations on the reproduction of carp in Letea Island in 1956-58). Fr Ru

Considers necessity to manage carp spawning areas by construction of network of canals, as means of improving survival of fry.

FAO:sjh

F

Louchet, Cl. (1957) 59-9306
 Amiens, Yvert & Co., 215 p.
 La pisciculture - Salmoniculture (Fishculture - Culture of salmonids)

Encl ed. A practical manual containing information compiled & revised from previous publications completed with observations made by the author.

FAO:hr

F

Craddock, D.R. (1958) 59-9307
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
(275):8 p.

Spawning escapement of Okanogan River
blueback salmon (Oncorhynchus nerka),
1957

Describes a survey, incl. determination
of age, length, sex composition &
distribution of the fish on their
spawning grounds, which is part of a
series of surveys to determine the
effect of flood-control work on salmon.

WAD:wad

MF

Anderson, W.W. (1958) 59-9310
Fish.Bull., U.S., (144):501-19
Larval development, growth, and
spawning of striped mullet (Mugil
cephalus) along the South Atlantic
coast of the United States

Description of young from 4 mm to
116 mm .

WAD:glk

MF

Talbot, G.B. & 59-9308
J.E. Sykes (1958)
Fish.Bull.,U.S., (142):473-90
Atlantic coast migrations of American
shad

The returns from 17,508 American shad,
Alosa sapidissima, tagged at various
places along the Atlantic coast over a
period of 19 years have been used to
study the migrations of this fish. The
results, with other evidence are used
for discussion of homing behaviour & of
migrations generally.

WAD:glk

MF

Heen, E. (1958) 59-9311
Aarsberetn.Norg.Fisk., 1957(3):56 p.
Årsmelding 1957 fra Fiskeri-
direktoratets Kjemisk-Tekniske
Forskningsinstitut (Annual
report from the Chemical Technical
Research Institute of the Fisheries
Directorate)

Review of the investigations on fish
preservation & processing & chemical
composition of fish, with short
summaries on main results.

FAO:t1

Nichols, P.R. (1958) 59-9309
Fish.Bull., U.S., (143):491-500
Effect of New Jersey-New York pound-net
catches on shad runs of Hudson and
Connecticut Rivers

Account of the fishery; report of a
tagging study from the results of
which, with data on catch, an estimate
is made of population size.

WAD:glk

MF

Norway. 59-9312
Fiskeridirektøren (1958)
Aarsberetn.Norg.Fisk., 1957(13):34p.
Fiskeflåten 1957 (Fishing fleet
1957)

Statistical data on various types &
sizes of fishing vessels & their
machinery in Norway.

FAO:t1

M

Grøntved, Jul. (1958) 59-9313
Medd.Komm.Havundersøg., Kbh., 2(17):
 15 p.
 Planktological contributions - III.
 Investigations on the phytoplankton and
 the primary production in an oyster
 culture in the Limfjord. Da

Data on seasonal changes of
 productivity & standing crop of
 phytoplankton in western Limfjord
 during 1957.

FAO:tl

MF

Ursin, E. (1958) 59-9316
Medd.Komm.Havundersøg., Kbh., 2(20):
 14 p.

The strength of individual year-
 classes of plaice in the Danish
 Waddensea. Da

Contents as per title.

FAO:tl

M

Jensen, J.P. (1958) 59-9314
Medd.Komm.Havundersøg., Kbh., 2(18):
 28 p.
 Studies in the life history of the
 prawn Leander adspersus (Rathke) and
 the Danish fishery on this species.
 Da

Studies on the biology of spawning,
 migrations; data on Danish prawn
 fishery, its seasonal variations, age
 sex & size distribution of the landed
 prawns & discussions on the
 fluctuations of prawn fishery.

FAO:tl

MF

Marckmann, K. (1958) 59-9317
Medd.Komm.Havundersøg., Kbh., 2(21):
 The influence of the temperature on
 the respiratory metabolism during the
 development of the sea-trout.
 Da

Determination of the respiratory
 metabolism during the embryonic
 development at different temperatures
 & the effects of sudden temporary &
 permanent alterations of temperature
 on the respiratory metabolism.

FAO:tl

MF

Jensen, J.P. (1958) 59-9315
Medd.Komm.Havundersøg., Kbh., 2(19):
 25 p.
 The relation between body size and
 number of eggs in marine malacostrakes.
 Da

Data on 6 decapods, 1 isopod, 1
 cumacea & 5 mysids.

FAO:tl

M

Petersen, G.H. (1958) 59-9318
Medd.Komm.Havundersøg., Kbh., 2(22):
 Notes on the growth and biology of
 the different Cardium species in
 Danish brackish water areas. Da

Taxonomy & distribution of the spp.,
 notes on the life histories of C.
edule, C. lamarcki, & C. exiguum,
 with emphasis on growth in
 different conditions.

FAO:tl

MF

de Paiva Carvalho, J. (1957) 59-9319
Contr.Inst.oceanogr.S.Paulo, (1):5 p.
Cokeridia kathetostoma n.sp., da fam.
Dactyloscopidae (Cokeridia
kathetostoma n.sp., from family
Dactyloscopidae). En

Description of the new sp. capturel in
the sands of São Sebastiao Island,
São Paulo, Brazil, which differs from
C. crossota, C. fimbriata & C. lactea
in the 2 anterior spines separated from
the rest of dorsal fin, number of
scales of the lateral line & the
different body proportions.

GLX:hr

M

Torphy, Sh.R. & 59-9322
J.M. Zeigler (1957)
J.Geol., 65(4):433
Submarine topography of Eastern
Channel, Gulf of Maine

Coll.Recr.Woods Hole
oceanogr.Inst., 1957(1958).

Anonymous (1957) 59-9320
Contr.Inst.oceanogr.S.Paulo, (2):5 p.
Instituto de biologia marítima das
Caraíbas (Marine biological
laboratory of the Caribbean)

Describes the location, work,
facilities, & fellowships programme of
the institute.

GLX:hr

M

Athearn, W.D. (1957) 59-9323
J.Geol., 65(4):448
Comparison of clay from the
continental shelf off Long Island
with the Gardiners clay

Ferrando, H.J. (1958) 59-9321
Contr.Inst.oceanogr.S.Paulo, (2):5 p.
Red para fitoplankton con cogo
intercambiable (Phytoplankton net
with exchangeable bucket)

III. Description of a 0,65 cm long
phytoplankton net provided with an
easily exchangeable bucket.

GLX:hr

M

MacGregor, J.S. (1957) 59-9324
Fish.Bull., U.S., (121):427-49
Fecundity of the Pacific sardine
(Sardinops caerulea)

Records extensive data on the
fecundity of the sp. correlated with
length, age & weight. Data on age &
length at 1st maturity based on the
criterion of degree of ovarian ovum
development are presented.

FAO:hr

M

Becking, G.M. Baas, J.L. 59-9325
Thomson & E.J.P. Wood (1959)
Aust.J.Mar.Freshw.Res., 10(3):269-71
Some aspects of the ecology of Lake
Macquarie, N.S.W., with regard to an
alleged depletion of fish - I. General
introduction

History of fishery in this Australian
coastal lake; characteristics of its
hydrology, of the entrance channel &
of connections with the sea; map.

F40:sjh

MF

Wood, E.J.P. (1959) 59-9326
Aust.J.Mar.Freshw.Res., 10(3):281-15
Some aspects of the ecology of Lake
Macquarie, N.S.W., with regard to an
alleged depletion of fish - IV.
Bacterial and fungal studies

Bacterial communities show several
peculiarities incl. paucity of
cellulose & agar digesters, & presence
at times of anaerobic sulphur
bacteria in waters containing
considerable oxygen. Contamination by
faecal pollution of the lake waters
could not be demonstrated.

F40:sjh

MF

Spencer, R.S. (1959) 59-9326
Aust.J.Mar.Freshw.Res., 10(3):272-81
Some aspects of the ecology of Lake
Macquarie, N.S.W., with regard to an
alleged depletion of fish - II.
Hydrology

Tides, water level, freshwater inflow,
temperature & chlorinity cycles,
rainfall; wind-generated circulation;
changes in nutrients.

F40:sjh

MF

Davis, P.S. (1959) 59-9329
Aust.J.Mar.Freshw.Res., 10(3):316-21
Some aspects of the ecology of Lake
Macquarie, N.S.W., with regard to an
alleged depletion of fish - V.
Chlorophyll distribution

The chlorophyll a in samples from 5
stations was determined over the
period July 1955 to November 1956.
Chlorophyll concentration in surface
waters shown to be higher than that of
marine water entering the lake, but
lower than that of a comparison
station in Hawkesbury River. Series of
light penetration measurements in Dec.

Becking, G.M. Baas (1959) 59-9327
Aust.J.Mar.Freshw.Res., 10(3):297-303
Some aspects of the ecology of Lake
Macquarie, N.S.W., with regard to an
alleged depletion of fish - III.
Characteristics of water and mud

pH, chlorinity, & other physico-chemical
characteristics of the water & mud.

F40:sjh

MF

59-9329
(Card 2)
1956 showed all water in the lake lay
within the euphotic zone.

F40:sjh

MF

Wood, E.J.F. (1959) 59-9331
Aust.J.Mar.Freshw.Res., 10(3):322-40
 Some aspects of the ecology of Lake
 Macquarie, N.S.W., with regard to an
 alleged depletion of fish - VI. Plant
 communities and their significance

There are 4 plant communities: sea gra
 grass - Zostera, Halophila, Ruppia,
Posidonia -; reef; mud bottom; &
 phytoplankton. Epiphytes on sea-grasses
 are largely used as food by phytophagous
 fish. Reef community consists of larger
 brown algae, & felts of blue-green algae
 such as Ectocarpus, & other filamentous
 forms. Photosynthetic organisms are
 sparse in the mud bottom, except for the

distribution & the relation of the
 faunal distribution to the nature
 of the substrate.

FAO:rjm

MF

59-9331
 (Card 2)
 tapetic organisms in the sea.
 Phytoplankton is abundant.

FAO:ejfw

MF

Thomson, J.M. (1959) 59-9335
Aust.J.Mar.Freshw.Res., 10(3):354-64
 Some aspects of the ecology of Lake
 Macquarie, N.S.W., with regard to an
 alleged depletion of fish - VIII.
 Trends of the commercial fish catch
 and management of the fishery

Catches & catches per unit effort of
Mugil cephalus, bream, Mylio;
 luderick, Girella; flathead,
 Platycephalidae; tailor, Pomatomus;
 monthly trends. History of closures
 & gear regulations; consideration of
 their effects.

FAO:sjh

MF

MacIntyre, R.J. (1959) 59-9333
Aust.J.Mar.Freshw.Res., 10(3):341-53
 Some aspects of the ecology of Lake
 Macquarie, N.S.W., with regard to an
 alleged depletion of fish - VII. The
 benthic macrofauna

A number of mollusc spp. was represented
 only by dead shells of recent origin,
 suggesting some catastrophe. No
 evidence that the mussel Trichomya
hirsuta was affected, & experimentation
 revealed that this sp. can survive long
 periods of immersion under anaerobic
 conditions. Quantities & types of these
 organisms in the lake, & their

Thomson, J.M. (1959) 59-9336
Aust.J.Mar.Freshw.Res., 10(3):365-74
 Some aspects of the ecology of Lake
 Macquarie, N.S.W., with regard to an
 alleged depletion of fish - IX. The
 fishes and their food

Lists spp. in systematic order, with
 common scientific names; qualitative
 stomach analyses of the more
 important ones.

FAO:sjh

MF

Thomson, J.M. (1959) 59-9337
Aust.J.Mar.Freshw.Res., 10(3):375-87
 Some aspects of the ecology of Lake Macquarie, N.S.W., with regard to an alleged depletion of fish - X. The movements of fish

Results of tagging experiments on about 30 spp., percentages recaptured, localities, maps; discussion of validity of these experiments for population study.

FAO:sjh

MF

59-9339
 (Card 2)
 attributed to reduction of food consequent upon stratification of the lake waters after prolonged periods of heavy rain.

FAO:jmt

MF

Thomson, J.M. (1959) 59-9338
Aust.J.Mar.Freshw.Res., 10(3):388-98
 Some aspects of the ecology of Lake Macquarie, N.S.W., with regard to an alleged depletion of fish - XI. Estimation of fish populations

Peterson & Schnabel method estimates from tag returns of population sizes of Mugil, Liza, Mylio, Girella, Chrysophrys, Meuschenia, Monacanthus & Rhabdosargus spp.

FAO:sjh

MF

Schutte, C.H.J. & 59-9341
 J.A. van Eeden (1959)
Ann.Mag.nat.Hist., (13):1-20
 Contributions to the morphology of Biomphalaria pfeifferi (Krauss) - I. The shell and radula

Morphology, variability, taxonomy, distribution of this freshwater snail from S. Africa.

FAO:sjh

F

Thomson, J.M. (1959) 59-9339
Aust.J.Mar.Freshw.Res., 10(3):399-408
 Some aspects of the ecology of Lake Macquarie, N.S.W., with regard to an alleged depletion of fish - XII. Summary review

Nature of entrance channel determines the peculiar attributes of lake. Food of fish derived ultimately from the benthic flora, incl. epiphytes, rather than from plankton. In terms of commercial fish catch per man lake is as productive as it ever has been. Fall in catch of certain spp. 1946 to 1955 is

Greenwood, P.H. (1959) 59-9342
Ann.Mag.nat.Hist., (13):41-7
 The characin fishes of Lakes Victoria and Kyoga

Taxonomic descriptions, colors, habitat distribution, bionomic notes on Alestes jacksoni (= A. nurse), A. sadleri (= Micralestes lernerii).

FAO:sjh

F

Tsuruta, A., T. Satow 59-9343
 & K. Hayama (1957)
J. Shimonoseki Coll. Fish., (1):1
 (Oceanographical and planktological
 studies of tuna fishing ground in the
 eastern part of the Indian Ocean).
Ni En

M

Anonymous (1958) 59-9346
Inform. Fischwirtsch. Ausl. 8(2):23
 Neue Forschungsfahrt zur Bäreninsel
 (New research-cruise to the
 "Bäreninsel")

M

Kühl, H. (1957) 59-9344
Veröff. Inst. Küsten-u. Binnenfisch., (15)
 Wassertemperatur, Salzgehalt und andere
 chemische Faktoren an der "Alten Liebe"
 in Cuxhaven im Jahre 1956
 (Water temperature, salt contents and
 other chemical factors of the "Alte
 Liebe" in Cuxhaven in the year 1956)

M

Sager, G. (1957) 59-9347
Ann. Hydr., (9):7
 Die Methode der Fix- und
 Schleppelektroden - ein neuer Weg
 in der Messung von Meeresströmungen
 (The method of stationary and towed
 electrodes in measuring sea currents)

M

Kühl, H. (1957) 59-9345
Veröff. Inst. Küsten-u. Binnenfisch., (17):
 Protokolle zur Hydrographie der
 unteren Weser auf Grund der Unter-
 suchungsfahrten in den Jahren 1954-1956
 (Protocols on the hydrography of the
 lower Weser on the basis of
 investigations conducted in the years
 1954-1956)

F

Kolb, O. (1957) 59-9348
Ann. Hydr., (9):61
 Neue Geräte des Seehydrographischen
 Dienstes für die Untersuchung der
 Sandverfrachtung in der ufernahen
 Zone (New implements of the
 Hydrographic Service for the
 investigation of sand-shipping in the
 zone near the coast)

M

Messtorff, J. & 59-9349
R. Steinberg (1958)
Wiss.Informat.Fischereiprax., 5(1):32
Echolote in der Binnenfischerei
(Echosounders in inland fisheries)

F

Cartwright, D.E. (1957) 59-9352
In 59-9351:1
On the vertical motions of a ship in
sea waves

M

Sager, G. (1957) 59-9350
Ann.Hydr., (9):35
Gezeitenkraftwerke (Tide power
stations)

M

Cummins, W.E. (1957) 59-9353
In 59-9351:28
On ship model testing for the
prediction of extreme conditions in
confused seas

M

Symposium on the Behaviour 59-9351
of Ships in a Seaway, 7-10
Sept., 1957 (1957)
Wageningen, 689 p.
Proceedings

M

Kato, H., Motora, S. & 59-9354
K. Ishikawa (1957)
In 59-9351:43
On the rolling of the ship in
irregular wind and wave

M

Korvin, B.V., Krokuovsky (1957) 59-9355
In 59-9351:59
A ship in regular and irregular seas

M

Hanaoka, T. (1957) 59-9358
In 59-9351:266
Theoretical investigation
concerning ship motion in regular
waves

M

Tick, L.J., & 59-9356
W.J. Pierson (1957)
In 59-9351:145
Some new developments in probabilistic
and statistical methods applied to
the study of ship motion

M

Pershin, V.I. & 59-9359
A.I. Voznessensky (1957)
In 59-9351:312
Study of ship speed decrease in
irregular seas

M

Voznessensky, A.I. & 59-9357
G.A. Firsoff (1957)
In 59-9351:152
Statistical analysis of data concerning
rolling of ships

M

Sommet, J. (1957) 59-9360
In 59-9351:354
The motion of a ship under the action
of seiche

M

Ochi, K. & 59-9361
Y. Akita (1957)
In 59-9351:543
Ship behaviour and slamming in
regular waves

M

Sciacchitano, A. (1957) 59-9364
Riv.Ingegn., 7(8):922
Il grande bacino di carenaggio del
porto di Napoli (The big
careening basin in the harbour of
Naples)

M

Dorrestein, R. (1957) 59-9362
In 59-9351:408
A wave recorder for use on ship in the
open sea

M

Jónsson, J. (1957) 59-9365
Geogr.Ann., Stock., 39(2-3):143
Notes on changes of sea-level on
Iceland

M

Todd, F.H. (1957) 59-9363
In 59-9351:656
On a new facility for testing ship
models in waves

M

Masson, P.A.A.H. (1958) 59-9366
Geophysics, 23(2):329
Seismic survey of Sinai and the
Gulf of Suez

M

Onoue, M., K. Nishikori 59-9367
& M. Nenohi (1957)
J.Radio Res.Lab., Tokyo, 4(18):395
Micro-wave propagation over the sea
beyond the line of sight

M

Guilcher, A. & 59-9370
L. Berthois (1957)
Rev.Geomorph.dynam., 8(5-6):67
Cinq années d'observations
sédimentologiques dans quatre
estuaire-témoins de l'ouest de la
Bretagne (Five years of
sedimentologic observations in four
estuaries in western Brittany)

MF

Elmendorf, C.H. & 59-9368
B.C. Heezen (1957)
Bell.Syst.Tech.J., 36(5):1047
Oceanographic information for
engineering submarine cable systems

M

Terzachi, K. (1957) 59-9371
Tekn.Ugebl., 104(43):955
Varieties of submarine slope
failures

M

Larras, J. (1957) 59-9369
Paris
Plages et côtes de sable (Sandy
beaches and coasts)

M

Zenkovich, V.P. (1957) 59-9372
Trud.Inst.Okeanol., 21:40
(Investigations on the bottom-
shifting of sands). Ru

M

Funk, P. (1958) 59-9373
Arch.Met., Wien, 10A(2-3):224
Der Einfluss der Polarisisation auf
die Reflexion an Wasserflächen
(The influence of polarisation on the
reflection of water surfaces)

MF

Rotthauwe, H.W. (1958) 59-9376
Kieler Meeresforsch., 14(1):48
Die Sauerstoffbestimmung in See- und
Süßwasser mit Hilfe der
Quecksilbertropfelektrode und ihre
Anwendung bei physiologischen
Untersuchungen (Oxygen
determination in sea- and freshwater
with the mercury-drop-electrode and
its application at physiological
investigations)

MF

Burdecki, F. (1958) 59-9374
Arch.Met., Wien, 8B(3-4):326
Remarks on the distribution of solar
irradiation over the surface of the
earth

MF

Dergunov, I.D. (1958) 59-9377
Bull.Acad.Sci.U.R.S.S.(Géogr.), (1):
65
Gegenwärtige Vorstellung über das
thermische Verhalten der Erdkruste
(Actual motion of the thermic
behaviour of the earth's crust)

MF

Hirano, T. & 59-9375
C. Boshu (1957)
Bull.Tokai reg.Fish.Res.Lab., (16):23
On durability of the surface
temperature at hydrographic stations
of the Pacific coast

M

de Rouville, A. (1957) 59-9378
Houille Blanche, 12(5):784
Energie mécanique de la marée:
utilisation (Mechanic tide
energy: utilization)

M



Hirano, T. & 59-9379
 K. Sugiura (1958)
Bull.Tokai reg.Fish.Res.Lab., (22):1-15
 (On the salinity distribution in a
 small bay with river discharge).
Ni En

Describes survey & dynamic analysis
 of data, Feb.-Sept. 1957, Katsuragi
 Bay, Japan. Predicted effects of power
 dam discharge for Nagashima Bay &
 Miura Bay.

FiB:sjh

MF

Takashi, I. (1958) 59-9382
Bull.Tokai reg.Fish.Res.Lab., (22):
 33-6
 Ecological studies of the topshell,
Turbo cornutus (Solander) - II.
 Relation between diet and coloration
 of the shell. Ni

Continuation of Bull.Jap.Soc.sci.Fish.
 19(4):410-4, 1953. Reports feeding
 experiments at Kaminato Marine
 Biological Laboratory, 1950-51.

FiB:sjh

M

Takemura, Y. (1958) 59-9380
Bull.Tokai reg.Fish.Res.Lab., (22):17-25
 (Bottom character of pearling beds in
 the Arafura Sea - I. Size distribution
 and mud contents of the Thursday
 Island and east regions). Ni En

Describes results of 1953-57 surveys.
 Concludes mud content is important
 factor in Pinctada maxima distribution,
 & critical value is 20%.

FiB:sjh

M

Takayama, S. & 59-9383
 T. Koyama (1958)
Bull.Tokai reg.Fish.Res.Lab., (22):
 37-45

(Studies on trawl-net - II.
 Determination of the angle of
 inclination of triangular brackets
 giving the optimal angle of attack to
 the otter board). Ni En

Describes model experiments, &
 analyses results.

FiB:sjh

M

Sagara, J. (1958) 59-9381
Bull.Tokai reg.Fish.Res.Lab., (22):27-32
 (On the optimum temperature and
 salinity for the development of hard
 clam, Meretrix meretrix lusoria
 (Röding)). Ni En

Controlled aquarium observations of
 fertilized eggs of clams from Tokyo Bay
 which had been artificially induced to
 spawn. Relation of experimentally
 determined optima to natural
 conditions.

FiB:sjh

M

Takayama, S. & 59-9384
 C. Yoshimuta (1958)
Bull.Tokai reg.Fish.Res.Lab., (22):
 47-52

(Fundamental study of the detection of
 fish by supersonic wave - I.
 Preliminary tests on the supersonic
 reflection of fish and fishing net
 with a 50 kc supersonic fish finder).
Ni En

Tank experiments with special fish
 finder.

FiB:sjh

M

Yanase, M. (1958) 59-9385
Bull.Tokai reg.Fish.Res.Lab., (22):53-6
(The vitamin B₆ content of fish liver).
Ni En

Continuation of Bull.Jap.Soc.sci.Fish.,
22:51, 1956. Analysis of samples of 22
mostly marine fish spp.; lengths,
weights & vitamin content.

FiB:sjh

MF

Fry, F.E.J. & 59-9388
J.C. Budd (1958)
Canad.Fish Cult., (23):13-21
The survival of yearling lake trout
planted in South Bay, Lake Huron

Growth & survival of marked
Salvelinus namaycush in absence &
presence of Petromyzon marinus.

SJH:sjh

F

Hirao, S. & 59-9386
R. Kikuchi (1958)
Bull.Tokai reg.Fish.Res.Lab., (22):57-61
(Fluorodermin, a newly found fluorescent
hydrocarbon in the skin of fishes).
Ni En

Separation of this substance from
Pneumatophorus japonicus, Jack
mackerel & other spp. Discusses its
role in photo-response.

FiB:sjh

M

Annan, M.E. (1958) 59-9389
Canad.Fish Cult., (23):23-5
Notes on the food of the young of
three species of Pacific salmon in the
sea

Stomach contents of Oncorhynchus keta,
& O. gorbuscha & O. tshawytscha
taken July 1950 by beach seine, in
Washington State, were mainly
copepods, but incl. diptera - larvae
& pupae -, specifically the chironomid:
Spanistoma (Camptocladius) pacifica.

SJH:sjh

MF

McCrimmon, H.R. (1958) 59-9387
Canad.Fish Cult., (23):3-11
Observations on the spawning of lake
trout, Salvelinus namaycush, and the
post-spawning movement of adult trout
in Lake Simcoe

Summary of observations in this
Ontario lake, 1951-57; spawning
grounds, activity of fish, tagging
experiments.

SJH:sjh

F

Murray, A.R. (1958) 59-9890
Canad.Fish Cult., (23):27-32
A direct-current electrofishing
apparatus using separate excitation

Describes & ill. a powerful but safe
equipment powered by gasoline engine,
developed in Newfoundland for
determining standing crops of Salmo
salar, Salvelinus fontinalis &
Anguilla in Little Codroy River &
Salmonier River.

SJH:sjh

F

Blair, A.A. (1958) 59-9891
Canad.Fish Cult., (23):33-7
Back-pack fish shocker

Describes & ill. portable D.C.
electric fishing equipment. Successful
tests in soft-water streams in
Newfoundland.

SJH:sja

F

American Fisheries 59-9394
Society (1959)
Trans.Amer.Fish.Soc., 88(2):75-153

Issue dedicated to H.S. Davis, an
obituary of whom is given on an
unnumbered page. Contains 59-9395 to
59-9415.

GLK:sjh

MF

Stringer, G.E. & 59-9392
R.G. McLynn (1958)
Canad.Fish Cult., (23):39-47
Experiments with toxaphene as fish
poison

The chlorinated camphene - a commercial
insecticide - was tested in 1956 in 8
alkaline lakes of British Columbia
as a means of clearing undesirable fish
prior to restocking with preferred spp.
Successful at a range of concentrations
also in removing amphipods & insect
nymphs. No harm to plankton or to
most benthic spp.

SJH:sjh

F

Buss, K. (1959) 59-9395
Trans.Amer.Fish.Soc., 88:75-80
Trout and trout hatcheries of the
future

Methods for improvement of hatchery
management & production are presented.
It is concluded that in the future
application of known information &
further research will result in more
efficient & mechanized fish rearing &
distribution; in better diets &
feeding methods; in improvements in
disease control; & in development of
improved strains of fish. The
literature on these topics is reviewed.
GLK:kb F

Vladykov, V.D. (1958) 59-9393
Canad.Fish Cult., (23):49
Freshwater fishery biology

Review of original publication by
K.F. Lagler, R.C. Brown Co., Dubuque
Iowa, 1956, 434 p.

SJH:

F

White, C.E., Jr. (1959) 59-9396
Trans.Amer.Fish.Soc., 88:81-7
Selectivity and effectiveness of
certain types of commercial nets in
the T.V.A. Lakes of Alabama

Descriptions of trammel, riprap &
nylon gill nets; their effectiveness
in taking rough fish & gamefish;
experiments in 1955 & 1956; catches
obtained with 3, 3.5 & 4 inch bar
meshes; spp. selectivity & mean sizes,
but no size frequency distributions.

GLK:sjh

F

Katz, M., A. Pritchard 59-9397

& C.E. Warren (1959)

Trans.Amer.Fish.Soc., 88:88-95

Ability of some salmonids and a centrarchid to swim in water of reduced oxygen content

Ill. description of apparatus permitting fish to swim for one or 2 days against currents of known velocity & in controllable O₂-concentrations. Results of experiments with Oncorhynchus tshawytscha, O. kisutch, Micropterus salmoides. Brief consideration of ecological significance of findings.

GLK:sjh

MF

McHugh, J.L. (1959) 59-9400

Trans.Amer.Fish.Soc., 88:105-10

Can we manage our Atlantic coastal fishery resources?

Methods designed to foster management for optimum sustained yield for each important sp., holds little promise for management of migratory fishes in inshore waters of the Atlantic coast. More consideration should be given to management of the biomass of the entire resource. Some statistics of the Atlantic coast fisheries are given & promising approaches for bettering management discussed.

GLK:jlm

MF

Hoffman, G.L. (1959) 59-9398

Trans.Amer.Fish.Soc., 88:96-9

Studies on the life cycle of Apatemon gracilis pellucidus (Yamag.) (Trematoda: Strigeoidea)

Tetracotyliform metacercaria found in musculature of brook stickleback, Eucalia inconstans, characterized by a tail-like appendage on the cyst. Proved to be Apatemon gracilis pellucidus. Attempts to infect snails, Physa, Stagnicola & Helisoma, were unsuccessful.

GLK:glh

F

Surber, B.W. (1959) 59-9401

Trans.Amer.Fish.Soc., 88:111-6

Cricotopus bicinctus, a midgefly, resistant to electroplating wastes

In polluted stretches of Michigan rivers, larvae of C. bicinctus (Meigen), were found to be particularly resistant to wastes containing hexavalent chromium, cyanides, & copper & to low oxygen levels. Only other common bottom invertebrates were the annelids, Limnodrilus & Tubifex, & a midge tentatively identified as a sp. of Pontapedilum.

GLK:ews

F

Schaefer, M.B. (1959) 59-9399

Trans.Amer.Fish.Soc., 88:100-4

Biological and economic aspects of the management of commercial marine fisheries

Essay on implications of peaked curves of average steady catch against fishing effort; economic & management implications. Ci 581530, 582714, 580967 & 581337.

GLK:sjh

MG

Wolf, R. & 59-9402

C. . Dunbar (1959)

Trans.Amer.Fish.Soc., 88:117-24

Test of 24 therapeutic agents for control of Kidney disease in trout

Sixteen strains of fish kidney disease bacterium were tested in vitro to determine their reaction to 34 therapeutic agents. Ten of the drugs were employed in experimental therapy of kidney disease in Salvelinus fontinalis.

GLK:kw

F

Williams, W.E. (1959) 59-9403
Trans.Amer.Fish.Soc., 88:125-7
Food conversion and growth rates for
largemouth and smallmouth bass in
laboratory aquaria

Laboratory experiments with Micropterus
salmoides & M. dolomieu.

GLK:sjh

F

Phillips, A.M., Jr. (1959) 59-9406
Trans.Amer.Fish.Soc., 88:133-5
The known and possible role of
minerals in trout nutrition and
physiology

Short review of knowledge & plea for
its extension to provide sounder basis
for hatchery rearing & management of
natural waters. Ci 571257, 584820, &
571256.

GLK:sjh

F

Haley, A.J. & H.E. Winn (1959) 59-9404
Trans.Amer.Fish.Soc., 88:128-9
Observations on a lernaeal parasite
of freshwater fishes

Incidence, in fish from a Maryland pond,
of Lernaea cyprinacea. Hosts were
Catostomus, Erimyzon, Lepomis, Notropis,
Notemigonus.

GLK:sjh

F

Parsons, J.W. (1959) 59-9407
Trans.Amer.Fish.Soc., 88:136-40
Musculature in Tennessee streams

Growth, maturity, habitat &
distribution of Esox masquinongy.

GLK:sjh

F

Iversen, E.S. & 59-9405
R.B. Manning (1959)
Trans.Amer.Fish.Soc., 88:130-2
A new microsporidian parasite from the
pink shrimp (Penaeus duorarum)

Thelohania duorarum n.sp., described
& named from musculature, in samples
from S. Florida.

GLK:sjh

F

Smith, E.L., Jr., D.R. 59-9408
Franklin & R.H. Kramer (1959)
Trans.Amer.Fish.Soc., 88:141-6
Electro-fishing for small fish in
lakes

Ill. description & circuit of
electric seine for small fish in
shallow water mounted in boat with
portable generator. Field trials in
Lake George, Minnesota; catches mostly
bluegills & yellow perch.

GLK:sjh

F

Winters, T.F. (1959) 59-9409
Trans.Amer.Fish.Soc., 88:147-8
A treatise on limnology - Volume I.
Geography, physics and chemistry
Re 581057.

GLK:

FG

Moen, T. (1959) 59-9412
Trans.Amer.Fish.Soc., 88:149
Sexing of channel catfish

Urinary & genital ducts of Ictalurus punctatus have common external opening in male, separate in female. Ill. lists many other spp. that can be sexed in this way, incl. spp. of Ictiobus, Roccus, Dorosoma, Stizosledion, Perca, Aplodinotus, Ambloplites & Pylodictis.

GLK:sjh

Moyle, J.B. (1959) 59-9410
Trans.Amer.Fish.Soc., 88:148
Manual of aquatic plants
Re 570509.

GLK:

F

Galligan, J.P. (1959) 59-9413
Trans.Amer.Fish.Soc., 88:150-1
An 8-year-old sockeye salmon from Connecticut

Ill. of scale from landlocked specimen, & discussion of its implication.

GLK:sjh

MF

Moyle, J.B. (1959) 59-9411
Trans.Amer.Fish.Soc., 88:148
Fisheries, fish farming, fish management
Re 59-6847.

GLK:

Cooper, E.L. & 59-9414
J.K. Andersen (1959)
Trans.Amer.Fish.Soc., 88:151-2
Variability of infection of black-spot parasite (Neascus spp.) in some cyprinid fishes

Occurrence of this digenetic trematode in Rhinichthys & Semotilus in Pennsylvania waters.

GLK:sjh

F

Whitney, A.N. & J.C. Spindler (1959)
Trans.Amer.Fish.Soc., 88:153
Effects of kraft paper wastes on a Montana stream

59-9415

Reports mortality pre- & post- 1957 - date of commencement of mill operations of Salmo, Proscopium, Catostomus & other genera.

GLK:sjh

F

American Fisheries Society (1959)
Trans.Amer.Fish.Soc., 88(3):155-240

59-9418

Contains 59-9416, 59-9419 to 59-9432 agenda & proceedings of 88th annual meeting of American Fisheries Society, Philadelphia, 8-19/9/58; resolutions; reports of officers & committees on international relations, national-state relations, names of fishes, water pollution. List of participants in 88th meeting.

GLK:sjh

MF

Huet, M. (1959)
Trans.Amer.Fish.Soc., 88:155-63
Profiles and biology of Western European streams as related to fish management

59-9416

4 zones, characterized by Salmo trutta, Thymallus thymallus, Barbus barbus, Abramis brama related to longitudinal section - slope of stream bed - & to cross section of stream & its valley. The physical & biological characteristics of these zones are discussed together with the concepts "slope-rule" & "slope-graph", which express these relationships, & which have proven useful for evaluating & comparing running waters

Scattergood, L.W.; C.J. Sindermann & B.E. Skud (1959)
Trans.Amer.Fish.Soc., 88:164-8
Spawning of North American herring

59-9419

Seasonal N-S progression of spawning time of Clupea harengus & C. pallasii, NW Atlantic & NE Pacific respectively, are compared, & related to water temperatures & type of bottom & substrate of egg attachment.

GLK:sjh

M

& for estimating fisheries potentials of streams from topographic information.

59-9416
(Card 2)

GLK:mh

F

McKernan, D.L. (1959)
Trans.Amer.Fish.Soc., 88:169-75
Present status of commercial fisheries in the United States

59-9420

Relation of 1957 catches to those of preceding year; economic difficulties of the industry; increased imports maintain steady per capita consumption.

GLK:sjh

MF

McFadden, J.T. (1959) 59-9421
Trans.Amer.Fish.Soc., 88:176-7
 Relationship of size and age to time
 of annulus formation in brook trout

Study of scale samples of Salvelinus fontinalis from a Wisconsin creek in 1956.

GLK:sjh

F

Parsons, J.W. & 59-9424
 E. Crittenden (1959) ...
Trans.Amer.Fish.Soc., 88:191-2
 Growth of the redeye bass in Chipola
 River, Florida

Age-length & weight relations in
Micropterus coosae in 1956-57 samples.

GLK:sjh

F

Moyle, J.B. & 59-9422
 W.D. Clothier (1959)
Trans.Amer.Fish.Soc., 88:178-85
 Effects of management and winter oxygen
 levels on the fish population of a
 prairie lake

Study of Lake Traverse 1945-58,
 Minnesota, S. Dakota; important fish
 were Cyprinus & Ictalurus. Stizostedion
 were stocked. Other spp. considered
 were Perca, Pomoxis, Micropterus,
Notropis, Lepomis, Esox, Catostomus.

GLK:sjh

F

Havey, K.A. (1959) 59-9425
Trans.Amer.Fish.Soc., 88:193-6
 Validity of the scale method for
 aging hatchery-reared Atlantic salmon

Study of scales of 142 fin clipped
 Maine Salmo salar of known age; 80%
 could be correctly aged, & all correct
 within one year. Scale growth patterns
 less regular than those formed under
 lake conditions, & this resulted in
 errors. 10 showed spawning marks, but
 none more than one.

GLK:sjh

MF

Ruggles, C.P. (1959) 59-9423
Trans.Amer.Fish.Soc., 88:186-90
 Salmon populations and bottom fauna in
 the Wenatchee River, Washington

Autumn standing crops of benthos in
 1940-1956; relation of decline in these
 to grazing activity of increasing
 chinook salmon & steelhead trout stocks
 migrating down.

GLK:sjh

MF

Jepson, P.W. & 59-9426
 W.S. Platts (1959)
Trans.Amer.Fish.Soc., 88:197-202
 Ecology and control of the Columbia
 squawfish in Northern Idaho lakes

Fishery, diet, growth, fecundity,
 gill net selectivity of Ptychocheilus
oregonensis; competition with
Salvelinus malma, Salmo gairdneri &
Ictalurus nebulosus.

GLK:sjh

M

Atton, F.M. (1959) 59-9427
Trans.Amer.Fish.Soc., 88:203-5
The invasion of Manitoba and
Saskatchewan by carp

Rate of spread of Cyprinus carpio;
discussion of infertile & cold water
as ecological barrier.

GLK:sjh

F

Moyle, J.B. (1959) 59-9430
Trans.Amer.Fish.Soc., 88:211-2
Legal status of fish-impaling
devices

Historical note on use by Indians of
spears, leisters & harpoons; present
use of such devices in sport fishing
in US & Canada, legality in states &
provinces of spearing in open waters
or through ice or underwater bow &
arrow fishing, harpoon & cross-bow.
Questionnaire refers to law concerning
powered devices, barbs, poison, use
in trout waters.

GLK:sjh

MF

Thompson, W.F. (1959) 59-9428
Trans.Amer.Fish.Soc., 88:206-9
An approach to population dynamics
of the Pacific red salmon

A review essay comparing characteristics
of a short living sp. in which each
individual may spawn once only in a
life-time, & longer lived fish such as
halibut. Survival value of home stream
seeking & other specific behavioural
characteristics.

GLK:sjh

MF

Clark, J.... (1959) 59-9431
Trans.Amer.Fish.Soc., 88:212-3
Sexual maturity of haddock

1949-50 samples of Melanogrammus
aeglefinus from Georges & Browns Banks.
Comparisons with North Sea data,

GLK:sjh

M

Nord, R.C. (1959) 59-9429
Trans.Amer.Fish.Soc., 88:210-1
Fisheries survey of upper Mississippi
River

A note on history & activities of
UMRCC - Upper Mississippi River
Conservation Committee - which has
representatives from Minnesota,
Wisconsin, Iowa, Illinois & Missouri.

GLK:sjh

F

Dobie, J. (1959) 59-9432
Trans.Amer.Fish.Soc., 88:213
Note on food of northern log perch

Diet of Percina caprodes semifasciata
in Lake Vermilion, Minnesota.
Comparison with Lake Erie & Buckeye
Lake, Ohio Log Perch, P.c.caprodes.

GLK:sjh

F

Osterhout, W.J.V. (1957) 59-9433
Annu.Rev.Pl.Physiol., 8:1-10
The use of aquatic plants in the study
of some fundamental problems

A general essay, with special
reference to work on Laminaria,
Griffithsia, Nitella, Zostera, Ulva,
Valonia, Halicystis, Rhabdonia
(= Agardhiella), with special reference
to large cells for cytological &
physiological studies.

FAO:sjh

MF

Rosenberg, J.L. (1957) 59-9436
Annu.Rev.Pl.Physiol., 8:115-36
Photochemistry of chlorophyll

General review of recent literature
up to Nov. 1956. Incl. reference to
studies with Chlorella.

FAO:sjh

FG

Gauch, H.G. (1957) 59-9434
Annu.Rev.Pl.Physiol., 8:31-64
Mineral nutrition of plants

General review of recent literature up
to Sept. 1956. Incl. references to
studies of Lemna, Chlorella, Nostoc,
Anabaena, Scenedesmus & other aquatic
genera.

FAO:sjh

MF

Glendenning, K.A. (1957) 59-9437
Annu.Rev.Pl.Physiol., 8:137-52
Biochemistry of chloroplasts in
relation to the hill reaction

General review of recent literature up
to Sept. 1956. Incl. reference to
studies of Chlorella.

FAC:sjh

MF

Steward, F.C. & 59-9435
J.K. Pollard (1957)
Annu.Rev.Pl.Physiol., 8:65-114
Nitrogen metabolism in plants: ten
years in retrospect

General review of literature up to
Oct. 1956. Incl. reference to studies
of Chlorella, Scenedesmus & other
aquatic forms.

FAO:sjh

MF

Collander, R. (1957) 59-9438
Annu.Rev.Pl.Physiol., 8:335-48
Permeability of plant cells

General review of recent literature
up to Aug. 1956. Incl. reference to
studies with Nitella, Hydrodictyon,
& Chlorella.

FAO:sjh

MF

Brian, P.V. (1957) 59-9439
Annu.Rev.Pl.Physiol., 8:413-26
Effects of antibiotics on plants

General review of recent literature
up to March 1956. Incl. reference to
Euglena & Chlorogonium - loss of
eyespot, etc. - Lemna, growth,
Scenedesmus, photosynthesis.

FAC:sjh

MG

Emerson, R. (1958) 59-9442
Annu.Rev.Pl.Physiol., 9:1-24
The quantum yield of photosynthesis

General review of recent literature
up to Sept. 1957; incl. reference to
studies with Chlorella, Navicula &
other aquatic forms.

FAC:sjh

FG

Crafts, A.S., L. Machlis 59-9440
& J.G. Torrey (1958)
Annu.Rev.Pl.Physiol., 9:510 p.

Subjects covered are: The quantum yield
of photosynthesis; Physiology of salt
tolerance; The naturally-occurring
auxins and inhibitors; Destruction of
auxin; Metabolism of ascorbic acid in
plants - Part I. Function; Physiology
of the tobacco plant; Mineral nutrition
of tree crops; Physiology of the fresh-
water algae; The metabolism of amino
acids and proteins in plants; Auxin
uses in the control of flowering and
fruiting; Herbicides; Morphogenesis in
lower plants; Postharvest physiology

Krauss, R.J. (1958) 59-9443
Annu.Rev.Pl.Physiol., 9:207-44
Physiology of the fresh-water algae

General review of recent literature
up to Aug. 1957, incl. reference to
very many genera, especially Chlorella,
Scenedesmus, Chlamydomonas, Nostoc,
Nitella, Nitzschia, Ulva, Navicula,
Gonium, Pandorina, Oedogonium,
Hydrodictyon, Anabaena, Skeletonema,
Oscillatoria.

FAC:sjh

F

59-9440
(Card 2)
of fruits; The biogenesis of flavonoids;
Cytochromes in plants, Indexes.
Contains 59-9442 to 59-9447, & author
& subject indexes.

FAO:sjh

MF

Yemm, E.W. & 59-9444
B.F. Folkes (1958)
Annu.Rev.Pl.Physiol., 9:245-80
The metabolism of amino acids and
proteins in plants

General review of literature up to
Oct. 1957, incl. reference to studies
of Chlorella, Chlamydomonas.

FAO:sjh

FG

Woodford, E.K., K. Holly 59-9445
& C.C. McCready (1958)
Annu.Rev.Pl.Physiol., 9:311-58
Herbicides

General review of recent literature
up to Sept. 1957. Incl. reference to
studies with Nitella, Lemna.

FAO:sjh

FG

Machlis, L. & 59-9448
J.G. Torrey (1959)
Annu.Rev.Pl.Physiol., 10:482 p.

Subjects covered are: Prefactory
chapter; Foliar absorption of
mineral nutrients; Leaf proteins;
Light induced reactions of bacterial
chromatophores and their relation to
photosynthesis; The structure of the
chloroplast; Active transport of salt
into plant tissue; Respiratory
mechanisms in higher plants; Photo-
periodic control of floral induction;
The lignins; Fat metabolism in higher
plants; The pine tree; Physiology of
virus diseases; Plant chemotherapy;

Jaffe, L.F. (1958) 59-9446
Annu.Rev.Pl.Physiol., 9:359-84
Morphogenesis in lower plants

General review of recent literature
up to Aug. 1957; incl. reference to
Fucus, Blastocladiella, a water mold,
Oedogonium, Laminaria, Spirogyra,
Nitella, Griffithsia, Cladophora,
Enteromorpha, Chara, & Pithophora.

FAO:sjh

MF

59-9448
(Card 2)
The macronutrient elements; Nitrogen
nutrition; Metabolism of carbon
compounds; The chemical regulation of
growth (Some substances and extracts
which induce growth and morphogenesis);
Auxins & fungi; Phototropism &
phototaxis; Indexes.
Contains 59-9450 to 59-9452, & author
& subject indexes.

FAO:sjh

MF

Smith, L. & 59-9447
B. Chance (1958)
Annu.Rev.Pl.Physiol., 9:449-82
Cytochromes in plants

General review of recent literature up
to Sept. 1957; incl. reference to
Chlamydomonas, Chlorella, &
Porphyridium.

FAO:sjh

FG

Wolken, J.J. (1959) 59-9450
Annu.Rev.Pl.Physiol., 10:71-86
The structure of the chloroplast

General review of recent literature
up to 1-9-59, with reference to many
studies of algae, incl. Spirogyra,
Chlamydomonas, & of Euglena, Elodera,
Nostoc.

FAO:sjh

MF

Burris, R.H. (1959) 59-9451
Annu.Rev.Pl.Physiol., 10:301-28
Nitrogen nutrition

General review of recent literature up to Sept. 1958; incl. reference to N uptake by Chlorella.

FAO:sjh

FG

59-9453
(Card 2)

equation of Ci 581530 expressed as a summation instead of as an integral.

FiB:sjh

LF

Reiner, J. (1959) 59-9452
Annu.Rev.Pl.Physiol., 10:441-58
Phototropism and phototaxis

General review of recent literature up to June 1958; incl. section on phototaxis of flagellates, especially Euglena, Volvocales, Chilomonas, Ceratium, Phacus, Eudorina, Chlamydomonas, Dinophyceae.

FAO:sjh

LF

McGowan, J.A. (1958) 59-9455
46 p.

The trochus fishery of the trust territory of the Pacific Islands - A report and recommendations to the High Commissioner, April 1958

Summary of 2 1/2 year study. History of catches, distribution, bionomics & ecology, conservation, harvesting, recommendations for development of industry, bibliography.

FL:sjh

M

Deelder, C.L. & 59-9453
J.F. de Veen (1958)
Arch.néerl.Zool., 13, 1st Suppl.:461-71
A calculation on the fishing-intensity of the eel trawl on the IJsselmeer and on the effect of an increase of the legal minimum size for eels (Anguilla vulgaris Turt.)

Conversion of Zuyder Sea into IJsselmeer resulted in huge increase in Anguilla population. Gives length-weight relation, growth in length, mortality rates, & uses the parameter values obtained in a yield assessment equation derived from the basic

McGowan, J.A. (1957) 59-9456
12 p.

The current status of the trochus industry in Micronesia. An interim report to the High Commissioner of the trust territory of the Pacific

M

Fage, L. (1959) 59-9457
C.R.Acad.Sci., Paris, 249:1733-5
 Formation de la cavité incubatrice
 chez les oxycéphalides, crustacés
 amphipodes pélagiques (Formation
 of incubatory cavity in the
 oxycephalids, pelagic amphipod
 crustaceans)

Descriptive note concerning
Glossocephalus, Oxycephalus,
Rhabdosoma.

FAO:sjh

M

Lejuez, R. (1959) 59-9460
C.R.Acad.Sci., Paris, 249:1824-6
 Etude du mutant bimaculatum de
Sphaeroma monodi Bocquet, Hoestlandt,
 Lévi (Isopode flabellifère)
 (Study of the mutant bimaculatum of
Sphaeroma monodi Bocquet, Hoestlandt,
 Lévi (Flabelliferous isopod))

Describes specimens from Roscoff &
 Normandy coast.

FAC:sjh

M

Bourcart, J. (1959) 59-9458
C.R.Acad.Sci., Paris, 249:1783-4
 Hypothèses sur le mode de transport
 et de dépôt des sédiments en
 Méditerranée occidentale
 (Hypotheses on the mode of transport
 and deposit of sediments in the
 Western Mediterranean)

A short note on this subject.

FAC:sjh

M

Bourcart, J. (1959) 59-9461
C.R.Acad.Sci., Paris, 249:1380-2
 Le plateau continental de la
 Méditerranée occidentale
 (The continental shelf of Western
 Mediterranean)

Describes structure in different
 regions & discusses geological
 origins.

FAC:sjh

M

Bouligand, Y. & 59-9459
 C. Delamare Deboutteville (1959)
C.R.Acad.Sci., Paris, 249:1807-9
Lamippella faurei n.g.n.sp.
 Considérations morphologiques sur la
 famille des Lamippides, copépodes
 parasites des octocoralliaires
(Lamippella faurei n.g.n.sp.
 Morphological considerations of the
 family Lampidae, copepods parasitic on
 octocorals)

Ill. description of specimens from
Alcyonium, Rolandia, Eunicella &
Parerythropodium, at Banyuls-sur-Mer.

FAO:sjh

M

Papi, F. (1957) 59-9462
Pubbl.Staz.zool.Napoli, 30(1):132-48
 Sopra un nuovo turbellaria arcofooro
 di particolare significato filético e
 sulla posizione della fam. Hofstenidae
 nel sistema delle Turbellaria
 (A new arcophorate turbellarian of
 particular phyletic significance
 bearing on the systematic position of
 the family Hofstenidae)

Family previously held only one sp.,
Hofstenia atroviridis. A new sp. H.
pardii is described. BA 33(11)43336.

aba

M

Sroufe, S.A., Jr. (1959) 59-9463
Dissert.Abstr., 19(10):2696-7
 Studies on the morphology and
 development of Mazocraeoides
olentangiensis n.sp. (Trematoda:
 monogenea) a parasite of the gizzard
 shad, Dorosoma cepedianum (Le Sueur)

BA 33(11)43338.

RF

Barnard, J.L. (1958) 59-9466
Bull.S.Calif.Acad.Sci., 57(2):85-90
 A remarkable new genus of corophiid
 amphipod from coastal marine bottoms
 of Southern California

BA 33(11)43359. Gaviota podophthalma.

Pax, F. (1957) 59-9464
Pubbl.Staz.zool.Napoli, 30(2):309-29
 Die Zoantharia des Golfes von Neapel
 (Zoantharia of the Gulf of Naples)

BA 33(11)43349. Among 6 zoantharians
 spp. described earlier, 2 are
 recognized as racial types. Parazoanthus
axinellus is identified as P. a. forma
mülleri, & Epizoanthus aranaceus is
 named E. a. forma neapolitanus.

:ba

M

Hobbs, H.H. & 59-9467
 M. Walton (1959)
Proc.biol.Soc.Wash., 72:39-44
 A new crayfish of the genus
Procambarus from Alabama (Decapoda,
 Astacidae)

BA 33(11)43364. P. lewisi was
 collected in 8 localities near
 Montgomery, 200 miles east of the
 locality in which its closest
 relative, P. jaculus, was found.
 Both are secondary burrowing spp.,
 associated with temporary bodies of
 water.

:ba

F

Plessis, Y. (1958) 59-9465
Bull.Bus.Hist.nat., Paris, 30(4):379-85
 Quelques observations sur le cycle
 de meduses Acalephes (Some
 observations on the life cycle of some
 medusoid coelenterates)

BA 33(11)43350. Observations on life
 cycle of several spp. indicate
 difficulty of giving specific names
 to polyps or planula unless identify
 of the medusoid form is known.

:ba

M

Shiino, S.M. (1957) 59-9468
Japen. J.Biol., 15(2) 161-97
 The marine wood-boring crustaceans of
 Japan - II. (Sphaeromidae and
 Cheluridae)

BA 33(11)43369. Descriptions of 3 spp
 of the isopod Sphaeromidae,
Sphaeroma sieboldii Dollfus, S.
retrolacvis Richardson & Cynodoce
japonica Richardson, & of 1 sp. of the
 amphipod Cheluridae, Chelura brevi-
cauda Shiino, with observations on
 their burrows. Exosphaeroma ovata
 Gurjanova is also described.

:ba

M

Shiino, S.M. (1958) 59-9469
Annot.zool.jap., 31(3):161-6
 Über eine neue Art der schmarotzenden
 Copepodengattung Dysgamus, aus der
 Bucht von Sagami (On a new species
 of the parasitic copepod genus
Dysgamus from Sagami Bay)

BA 33(11)43370. Description of D.
sagamiensis from the body surface of
Caranx urapsis, obtained in 1956 near
 coast of Hayama, Japan.

:ba

M

Plessis, Y. (1958) 59-9472
Bull.Mus.Hist.nat., Paris, 30(5):454-7
 Note préliminaire sur l'étude
 statistique des coquilles vides de
 bivalves en particulier de Mytilus
edulis L. (A preliminary note on
 a statistical study of the empty
 shells of bivalves, particularly
 those of Mytilus edulis L.)

BA 33(11)43499. Empty shells were
 studied from series of stations near
 Calvados. Percentage of shells
 pierced by Purpura lapillus varied
 from place to place, but appears to
 be an important predator.

:ba

M

Koshtoyants, C.S. & 59-9470
 J. Salanki (1958)
Acta Univ.Szeged (Biol.), 8(4):361-6
 On the physiological principles
 underlying the periodical activity of
Anodonta

BA 33(11)43495. Concentration of
 potassium ions plays an important part
 in formation & modification of activity
 of A. cygnea.

:ba

F

Thomas, G.J. (1959) 59-9473
Nautilus, 72(4):131-40
 Self-fertilization and production of
 young in a sphaeriid clam

BA 33(11)43504. 6 generations were
 produced successively by self-
 fertilization in Sphaerium (Musculium)
partumeium.

:ba

M

Menzies, R.J. (1958) 59-9471
Pubbl.Staz.zool.Napoli, 30(3):381-401
 Shell bearing pteropod gastropods from
 Mediterranean plankton (Cavoliniidae)

BA 33(11)43497. 9 spp. are described:
Creseis virgula, C. acicula, C.
chierchiaie, Styliola subula, Halocyclix,
Euclio pyramidata, E. cuspidata,
Cavolinia givvosa, C. inflexa.
 Ill. of shells.

:ba

M

Winkler, L.R. (1958) 59-9474
Bull.S.Calif.Acad.Sci., 57(2):106-7
 The range of the California sea hare,
Aplysia californica Cooper

BA 33(11)43511. Southern range is
 extended from Todos Santos Bay, Baja
 California to Agua Verde Bay near the
 tip of Baja California. Northern limit
 remains Monterey Bay, California.
 Distribution of specimens from Allan
 Hancock collection is reported.

:ba

M

Lorant, M. (1959)
Naut.Mag., 181(2):78
Project iceskate

59-9475

M

Balinski, B.T. (1959) 59-9478
Exptl.Cell Res., 16(2):429-33

An electron microscopic investigation of the mechanisms of adhesion of the cells in a sea urchin blastula and gastrula

BA 33(11):39808. A study of ultrathin sections of the early embryos of several spp. of sea urchins.

ba

M

Roessingh, M. (1958) 59-9476
Arch.neerl.Zool., 12(4):568-70
Sampling problems in fish population studies in the sea

BA 33(11)43529.

M

Suzuki, R. (1958) 59-9479
Embryologia, 4(2):93-102

Sperm activation and aggregation during fertilization in some fishes - I. Behaviour of spermatozoa around the micropyle

BA 33(11)39854. Morphological observation of the micropyle of eggs of the bitterling Rhodeus ocellatus, sperm aggregation & activation around the micropyle of eggs of Acheilognathus lanceolata, A. tabira & R. ocellatus, & of Sarcocheilichthys variegatus.

:ba

F

Anonymous (1958) 59-9477
Mem.Coll.Agric.Kyoto(Fish.Ser.),
Spec.No. 1958:1-2
History and organization of the Department of Fisheries and Misaki Marine Biological Institute

BA 33(11)39662. 4 pages of photographs & plan drawings supplement the text.

aba

L

Wiepkema, F.R. (1957) 59-9480
Levende Nat., 60(8):169-77
Mating behaviour in Rhodeus amarus

BA 33(11)40098. Supplementing descriptions by Tinbergen, 1938, & Kristensen, 1952, in the same journal. Behaviour of male towards the fresh-water mussel, toward other males, towards the female.

ba

F

Tsukuda, H. & 59-9481

T. Katayama (1957)

Physiol. & Ecol., Japan, 7(2):113-22

(Temperature adaptation in fishes - I. The influence of rearing temperature on temperature tolerance, growth rate, and body form). Ni En

BA 33(11)40111. Lebistes reticulatus & Oryzias latipes were kept at 20°, 25°, & 30°C, & the influence of the environmental temperatures observed.

:ba

F

Hoffmann, L. (1958)

59-9484

Erit. Birds, 51(9):321-50

An ecological sketch of the Camargue

BA 33(11)40130. Flora & fauna of each region are described. A list of 22 spp. of marine fishes found in the saline lagoons of the island is presented.

:ba

MF

Booolootian, R.A. (1958) 59-9482

Bull. S. Calif. Acad. Sci., 57(2):91-2

Notes on an unexpected association between a common barnacle and echinoid

BA 33(11)40119. Specimens of Strongylocentrotus franciscanus from Malibu, California, incl. one with a single large barnacle, Balanus tintinabulum, attached directly to the test, & smaller ones attached to the larger.

:ba

M

Kawanabe, H. (1957)

59-9485

Jap. J. Ecol., 7(4):131-7

(Social behaviour and production of a salmon-like fish, Plecoglossus altivelis, or Ayu, with reference to its population density). Ni En

BA 33(11)40134. This fish has been studied since 1955 in the River Ukawa on Japanese Sea coast & 5 types were recognized according to social behaviour. Social type appears to change with density, this is accompanied by difference in body-length & distribution.

:ba

MF

Curry-Lindahl, K. (1957) 59-9483

K. fysiogr. Sällsk. Lund Förh., 27:161-72

The occurrence of the char, Salmo alpinus, in running waters in Arctic and high boreal areas in Sweden

BA 33(11)40122.

F

Kurasawa, H. (1957)

59-9486

Jap. J. Ecol., 7(4):160-5

(Biological production of two molluscan populations in the littoral region of Lake Suwa). Ni En

BA 33(11)40137. Changes in standing crop & productivity of populations of Semisulcospira libertinus & Viviparus histricus on the coast of Lake Suwa near the inlet of the Rokuto River are discussed.

:ba

F

Pavletić, Z. (1957) 59-9487
Acta bot.croat., 16:63-88
 Ekološki odnosi briofitske vegetacije
 na slapovima Plitvičkih jezera
 (Ecological relationships in the mossy
 vegetation at the waterfalls of Lake
 Plitvice). De

BA 33(11)40169. Work carried out in
 1954 & 1956. Peculiar ecological
 conditions at these waterfalls.
 Consistent differences are noted
 between the upper and lower falls.

:ba

F

Hedlin, P., E. Julin 59-9490
 & A. Pekhari (1957)
Svensk bot.Tidskr., 51(1):317-43
 Stratiotes-sjöar i Norrbotten
 (Stratiotes lakes in Norrbotten,
 Northern Sweden)

BA 33(11)40200. Stratiotes aloides
 is found in 4 lakes in the parish
 of Nederkalix. The lakes contain
 many other eutrophic plants.
 Chemical analyses of the water were
 made.

:ba

F

Dvihally, Z.T. (1958) 59-9488
Acta Univ. Szeged (Biol.), 8(4):347-59
 Untersuchungen der selektiven
 Lichtabsorption in Natrongewässern vom
 Gesichtspunkt der Produktionsbiologie
 (Investigations into the selective
 absorption of light by soda-saturated
 waters from the viewpoint of production
 biology)

BA 33(11)40197. Studies were made in
 a typically sodic region of the Great
 Hungarian Plain to determine changes
 in spectral composition of solar light
 with increasing photosynthesis.

:ba

F

Nakamura, T. & 59-9491
 H. Fujioa (1958)
Bull.Fac.Agric.Univ.Miyazaki, 3(1-2):
 53-60
 (Annual investigation of the water
 quality of the River Oyodo in
 Miyazaki City). Ni En

BA 33(11)40205. Nutrient salts have
 their sources in sea water & are also
 the limiting factor of the marine
 population. They are markedly
 variable according to surroundings:
 rain water, sewage, industrial
 wastes. Authors have investigated pH,

Gerloff, J. (1958) 59-9489
Willdenowia, 2(1):53-110
 Das Phytoplankton des Unterlaufes
 der Weichsel zwischen Plock und
 Danzig (The phytoplankton of the
 lower course of the Weichsel between
 Plock and Danzig)

BA 33(11)40198. Shows representatives
 of the littoral & benthic zones, as
 well as spp. of the helio- &
 limno-plankton. Benthos organisms
 preponderate. Halophile spp. are
 characteristic of the plankton.

:ba

F

59-9491
 (Card 2)
 kinds of plankton, Cl-ion, &
 nutrient-salt contents at 2 stations.

:ba

MF

Anonymous (1958) 59-9493
Tech.Rep.Robert A.Taft sanit. engng
Cent., (W58-2):194 p.
Oxygen relationships in streams

BA 33(11)40207. Contains proceedings of a seminar sponsored by the water supply & water pollution program of the Center in Nov. 1957. Topics incl. use of stream data in the administration of pollution abatement programs, dissolved oxygen requirements for fishes, the oxygen sag equations, measurement & calculation of stream reaeration ratio, significance of organic sludge

59-9495
(Card 2)
occurrence, Siluris glanis, Lampetra planeri, Lota lota, & Phoxinus phoxinus may survive.

ba

MF

59-9493
(Card 2)
deposits, a report of a Thames Estuary study, mixing & diffusion of wastes in streams, effects of impoundments on oxygen resources, sampling & analytical methods in stream studies, application of stream data to waste treatment design, & the effects of algae on dissolved oxygen & biochemical oxygen demand.

ba

F

Beer, S. (1959) 59-9497
Operat.Res.Quart., 10(1):1-21
What has cybernetics to do with operational research?

Argues that former is a true field of science for which the latter largely provides the body of techniques.

SJH:sjh

G

Van Bommel, A.C.V. (1957) 59-9495
Levende Nat., 60(5):109-14
Vissoorten die unit de Nederlandse fauna dreigen te verdwijnen (Fish species on the verge of extinction in the Netherlands)

BA 33(11)40219. River regulation, construction of weirs, & water pollution have brought once abundant spp. to verge of extermination. Alosa alosa & Coregonus oxyrhynchus have already disappeared. Salmo salar, Acipenser sturio, & Chondrostoma nasus will follow. Some other of local

Moore, P.G. (1959) 59-9498
Operat.Res.Quart., 10(1):41-8
Some approximate statistical tests

Extends & discusses 59-9499; tests relate to difference between means of samples from two populations, & trends in sequences of observations.

SJH:sjh

G

Duckworth, W.E. & 59-9499
J.K. Wyatt (1958)
Operat.Res.Quart., 9:218
Rapid statistical techniques for
operational research workers

G

Arrow, K.J.; S. Karlin 59-9502
& H. Scarf (1958)
Kentucky, Stanford Univ. Press, 340 p.
Studies in the mathematical theory
of inventory and production

A comprehensive treatise.

agh

G

Vazsonyi, A. (1958) 59-9500
New York, J. Wiley & Sons, 474 p.
Scientific programming in business and
industry

Fundamentals, basic mathematics,
production & inventory, control &
scheduling.

:sjh

G

U.K. Operational 59-9503
Research Society (1959)
Operat.Res.Quart., 10(3):121-87

Contains 59-9504 to 59-9510,
section of abstracts & reviews of
relevant publications, & of News &
Notes which give notices of meetings
& conferences, activities of members
of the Operational Research Society
& related organizations.

SJH:aj:

E.K. (1959) 59-9501
Operat.Res.Quart., 10(1):72-3
Scientific programming in business and
industry

Re 59-9500.

SJH:

G

Foster, F.G. (1959) 59-9504
Operat.Res.Quart., 10:121-30
A unified theory for stock, storage
and queue control

Basic concepts are formulated of
mathematical theory for study of
operation of a wide class of man-
machine systems. Queueing, stock &
storage models are special cases of
the general probability model which
is described.

SJH:fgf

G

Gould, S. (1959) 59-9505

Operat.Res.Quart., 10:138-71

A method of dealing with certain non-linear allocation problems using the transportation technique

Investigation to establish a method of determining the allocation between certain enterprises of a known production requirement so as to minimize the total expense of production. Each enterprise was made up of a number of departments or services whose total expense varied non-linearly with production level.

SJH:sg

G

Grabbe, E.M., S. Ramo 59-9508

& D.E. Wooldridge (Ed.)(1959)

London, Chapman & Hall, 974 p.
Handbook of automation, computation and control (Volume I)

Divided into 5 parts: general mathematics, numerical analysis, operations research, information theory & transmission, & feedback control. Each chapter is written by a different author. Chapter on operational research, by E.L. Arnoff, is a digest of Churchman, Ackoff & Arnoff, "Introduction to Operations

Gass, S.I. (1958) 59-9506

New York, McGraw-Hill, 223 p.

Linear programming

A text-book, for graduates, or undergraduates in their last year, requires mathematical knowledge of a fairly high standard. Introductory chapter on matrices, vectors, convex sets, etc. Next 5 chapters devoted to mathematics of linear programming & simplex method. 2 further chapters deal with parametric linear programming & additional computational techniques.

:sjh

G

59-9508
(Card 2)

Research", & has extensive bibliography. Volume 2 will deal with computers & data processing, & volume 3 with systems & components.

:sjh

G

Kay, E. (1959) 59-9507

Operat.Res.Quart., 10:174-6

Linear programming

Re 59-9506.

Kay, E. (1959) 59-9510

Operat.Res.Quart., 10:176-8

Handbook of automation, computation and control

Re 59-9508.

SJH:

G

SJH:

G

Morrow, J.B. & G.S. Posner (1957) 59-9511
Bull. Bingham oceanogr. Coll., 16(2):155p.
Studies in ichthyology and oceanography
off coastal Peru

M

Dawson, C.E. (1958) 59-9514
Wadmalaw Island, S.C., Bears Bluff
Laboratories, 13 p.
Preliminary report on the effects of
closing Calibogue Sound, South
Carolina, to shrimp trawling

M

U.S. Coast & Geodetic 59-9512
Survey (1959)
Washington, U.S. Govt Print. Off.
Tide tables, high and low water
predictions, east coast of North and
South America, including Greenland

M

Oregon, Fish 59-9515
Commission (1958)
Portland, 18 p.
Columbia River steelhead

F

Behle, W.H. (1958) 59-9513
Salt Lake City, Univ. of Utah Press,
203 p.
The bird life of Great Salt Lake. The
life history, ecology and population
trends of the California gulls, white
pelicans, double-crested cormorants and
great blue herons, together with an
account of the Bear River migratory
bird refuge

F

Proskie, J. & 59-9516
R.G. Gosselin (1958)
Ottawa, 32 p.
Analyse comptable des activités des
pêcheurs côtiers Gaspésie, Québec,
1949-1953 (Accountable analysis
of the activities of fishermen along
the coast of the Gaspé Peninsula,
Quebec, 1949-1953)

F

Inger, R.F. (1958) 59-9517
Fieldiana, Zool., 39(14):107-17
 Notes on fishes of the genus
Brachygobius

M

Lozano Cabo, F. (1959) 59-9520
Stud.Rev.gen.Fish.Coun.Medit., (9):
 7 p.
 Fishing gear used in Spanish coastal
 lagoons

CR 59-0977.

FiB:

M

Rasquin, P. (1958) 59-9518
Bull.Amer.Mus.nat.Hist., 115(1):68 p.
 Studies in the control of pigment cells
 and light reactions in recent teleost
 fishes - I. Morphology of the pineal
 region - II. Reactions of the
 pigmentary system to hormonal
 stimulation

MF

Lozano Cabo, F. (1959) 59-9521
Stud.Rev.gen.Fish.Coun.Medit., (9):
 7 p.

Engins de pêche utilisés dans les
 lagunes littorales espagnoles
 (Fishing gear used in Spanish coastal
 lagoons)

CR 59-0977.

FiB:

M

France. Service Hydrographique 59-9519
 de la Marine (1958)
 Paris, Imprimerie Nationale, 328 p.
 Annuaire des marées des côtes de France
 pour l'an 1958 (Yearbook of the
 tides of the French coasts for the
 year 1958)

M

Indo-Norwegian Project. 59-9522
 Quilon-Cochin, Kerala (1959)
 Puthenthura-Neendakara, 10 p.
 Quarterly review, July-September,
 1959

Incl. fisheries chapter on boat
 building & up-keep, gear, fishing
 experiments - catches per unit effort
 of various spp. - fish marketing,
 training etc.

:sjh

M

Bailey, R.M. (1959) 59-9523
Copeia, 1959(2):119-23
Distribution of the American cyprinid
fish Notropis anogenus

Reviews the pattern of distribution
of the sp. & its relations with
similar forms.

HR:hr

F

Tyler, J.C. (1959) 59-9526
Copeia, 1959(2):139-48
Two new flatfishes of the genus
Ancylopsetta from the Guiana coast

Describes A. cycloidea & A.
kumerae spp. nov., & gives
differentiations between Ancylopsetta
& Gastropsetta, their distribution &
key to their spp.

HR:hr

M

Briggs, J.C. & 59-9524
F.H. Berry (1959)
Copeia, 1959(2):123-33
The Draconettidae - A review of the
family with the description of a new
species

Contains a key to the spp. of
Draconetta, diagnosis, relationship,
remarks & range of D. acanthopoma, D.
pseudoxenica, D. xenica, & D. oregona
sp.nov.

HR:hr

M

Myers, G.S. & 59-9527
A. Leitão de Carvalho (1959)
Copeia, 1959(2):148-52
A remarkable new genus of Anostomin
characid fishes from the upper Rio
Xingú in Central Brazil

Describes Sartor, gen.nov., S.
respectus, sp.nov., & considers
relationships.

HR:hr

F

Bardach, J.E., H.E. Winn 59-9525
& D.W. Menzel (1959)
Copeia, 1959(2):133-9
The role of the senses in the feeding of
the nocturnal reef predators
Gymnothorax moringa and G. vicinus

The 2 spp. are nocturnally active.
Smell is used in the location of
distant food.

HR:hr

M

Nelson, E.M. (1959) 59-9528
Copeia, 1959(2):152-6
The cranial anatomy of a free-
living pomacentrid "cyclopean"

Descriptions of adult skull, gross
& microscopic morphology of normal
& one-eyed pomacentrids followed by
discussion & conclusion.

HR:hr

M

Northcote, T.G. & 59-9529
G.F. Hartman (1959)
Copeia, 1959(2):156-8
A case of "schooling" behavior in the
prickly sculpin, Cottus asper
Richardson

A study of the unusual schooling
behaviour of the sp. & the possible
factors causing it.

HR:hr

F

Miller, D. (1959) 59-9532
Copeia, 1959(2):160
A pelagic record of the snipefish,
Macrorhamphosus scolopax (L.)
in the Gulf of Maine

Contents as per title.

HR:hr

Myers, G.S. (1959) 59-9530
Copeia, 1959(2):158
A Caribbean chaetodont fish, Chaetodon
eques Steindachner, now referred to
Chaetodon aya Jordan

Contents as per title.

HR:hr

M

Reed, R.J. (1959) 59-9533
Copeia, 1959(2):160-2
Age, growth, and food of the long-
nose dace, Rhinichthys cataractae, in
northwestern Pennsylvania

Considers habitat, growth rate,
sex ratio, food habits; associated
spp., carrying capacity & density.

HR:hr

F

Steinitz, H. (1959) 59-9531
Copeia, 1959(2):158-60
Observations on Pterois volitans (L.)
and its venom

Records of the effects of stinging by
dorsal spines, & behaviour of the sp.

HR:hr

M

Bailey, R.M. (1959) 59-9534
Copeia, 1959(2):162-3
Parasitic lampreys (Ichthyomyzon)
from the Missouri River, Missouri and
South Dakota

Contents as per title.

HR:hr

Thorson, T.B. (1959) 59-9535
Copeia, 1959(2):163-5
Tricaine methanesulfonate (T.S. 222)
as an anesthetic for the sea lamprey,
Petromyzon marinus

Contents as per title.

HR:hr

MF

Tinkle, D.J. (1959) 59-9538
Copeia, 1959(2):167-70
The relation of the fall line to the
distribution and abundance of turtles

A study of distribution, & abundance
of turtles, & ecological conditions
in the southeastern US fall line.
Particular emphasis was placed upon
Sternotherus & emydid forms. Catch
per unit effort below the fall line
is 5.5 times that above.

HR:hr

F

Strahan, R. (1959) 59-9536
Copeia, 1959(2):165-6
Slime production in Myxine glutinosa
Linnaeus

Contents as per title.

HR:hr

Woods, L.P. (1959) 59-9539
Copeia, 1959(3):222-5
Parahollardia schmidtii, a new
triacanthodid fish from the Western
Caribbean

A taxonomic description of the sp.
with notes on its nomenclature.
Meristic comparisons are made with the
related spp. Hollardia hollardi &
Johnsonina eriomma.

HR:hr

M

Springer, V.G. (1959) 59-9537
Copeia, 1959(2):166-7
Cypselurus luetkeni (Jordan and
Evermann) a synonym of Cypselurus
heterurus (Rafinesque)

Contents as per title.

HR:hr

L

Grey, R. (1959) 59-9540
Copeia, 1959(3):225-8
Descriptions of newly discovered
Western Atlantic specimens of
Diceratias bispinosus Günther and
Paroneirodes wedli (Pietschmann)

Taxonomic descriptions of the sp.
with notes on occurrence.

HR:hr

M

Sindermann, C.J. & 59-9541

D.F. Mairs (1959)

Copeia, 1959(3):228-32

A major blood group system in
Atlantic sea herring

A study of erythrocyte antigens mainly
of stocks of immature Gulf of Maine
Clupea harengus designed to discover
whether or not they constitute one
homogeneous group, or whether they may
represent several more or less discrete
groups.

HR:hr

M

Mount, D.I. (1959)

59-9544

Copeia, 1959(3):240-3

Spawning behavior of the bluebreast
darter, Etheostoma camurum (Cope)

Laboratory & field investigations of
the sp.

HR:hr

F

Gibbs, R.H., Jr. (1959) 59-9542

Copeia, 1959(3):232-6

A synopsis of the postlarvae of Western
Atlantic lizard-fishes (Synodontidae)

A synoptic key to the identification
of postlarvae genera & spp. of the
family.

HR:hr

M

Strasburg, D.W. (1959) 59-9545

Copeia, 1959(3):244-8

Notes on the diet and correlating
structures of some Central Pacific
echeneid fishes

An investigation of the dietary trends
apparent in spp. of the genera
Rhombochirus, Remora, Phtheirichthys
& Remoropsis.

HR:hr

M

Rofen, R.R. (1959) 59-9543

Copeia, 1959(3):237-40

A new gobioid fish of the genus
Eviotops from the Philippines

A taxonomic description of E. storthynx
sp.nov.

HR:hr

M

Miller, D. & 59-9546

R.R. Marak (1959)

Copeia, 1959(3):248-50

The early larval stages of the red
hake, Urophycis chuss

Describes the sequence of early
development & summarizes briefly the
existing literature concerning early
stages of the sp.

HR:hr

M

Schwartz, F.J. (1959) 59-9547
Copeia, 1959(3):251-2
Two eight-foot cub sharks, Carcharinus
leucas (Müller and Henle), captured in
Chesapeake Bay, Maryland

Contents as per title.

Lux, F.E. (1959) 59-9550
Copeia, 1959(3):253
A case of partial albinism in the
four-spotted flounder, Hippoglossina
oblonga

Contents as per title.

HR:hr

M

HR:hr

M

Collins, R.A. & 59-9548
R.E. Smith (1959)
Copeia, 1959(3):252
Occurrence of butterfly fish in
Mississippi sound

Contents as per title.

Treviño Robinson, D. (1959) 59-9551
Copeia, 1959(3):253-6
The ichthyofauna of the lower Rio
Grande, Texas and Mexico

Contents as per title.

HR:hr

M

HR:hr

F

Caldwell, D.K. & 59-9549
W.W. Anderson (1959)
Copeia, 1959(3):252-3
Offshore occurrence of larval silver
mullet, Mugil curema, in the western
Gulf of Mexico

Contents as per title.

Sawyer, P.J. (1959) 59-9552
Copeia, 1959(3):256-7
Burrowing activities of the larval
lampreys

Contents as per title.

HR:hr

M

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F

Walker, W.T. (1959) 59-9553
Copeia, 1959(3):257-9
Closure of the nostrils in the
Atlantic loggerhead and other sea
turtles

Contents as per title.

HR:hr

M

Littlejohn, M.J. & 59-9556
A.R. Main (1959)
Copeia, 1959(3):266-70
Call structure in two genera
of Australian burrowing frogs

Contents as per title.

HR:hr

F

Woolcott, W.S. (1959) 59-9554
Copeia, 1959(3):263
Notes on the eggs and young of the
scarlet snake, Cemophora coccinea
Blumenbach

Contents as per title.

HR:hr

F

Makushok, V.M. (1958) 59-9557
Trav.Inst.zool.Acad.Sci.U.R.S.S., 25:
3-129
(The morphology and classification
of the northern blennioid fishes -
Stichaeidae, Blennioidei, Pisces).
Ru

After a historical review, there is a
section on terminology followed by a
long portion dealing with trends of
specialization in the different organ
systems. The last whole section deals
with the individual groups.
Synonymies, historical &

Gosner, K.L. & 59-9555
D.A. Rossman (1959)
Copeia, 1959(3):263-6.
Observations on the reproductive cycle
of the swamp chorus frog, Pseudacris
nigrita

Observations on ovulation, oviposition,
egg complements, & morphology of eggs &
jelly envelopes of P.n. feriarum, P.n.
kalmi & of a P. feriarum-triseriata
inter-grade population.

HR:hr

F

59-9557
(Card 2)
nomenclatorial notes, & keys to
families, subfamilies & genera are
included. Thirty-three Russian & 118
references in 6 other languages are
cited in the bibliography.

:hr

M

Tonolli, V. (1958) 59-9559
Mem.Ist.ital.Idrobiol.de Marchi, 10:
 317-29
 Relazione del Direttore sull'attività
 scientifica dell'Istituto negli anni
 1956 e 1957 (Report of the Director
 on the scientific activity of the
 Institute during the years 1956 & 1957)

F

Moretti, G., F.S. Gianotti 59-9562
 & A. Giganti (1958)
Atti 5 Giorn.vet.Prod.Pesca, 1958:
 221-35
 Il latterino del Lago Trasimeno e i
 suoi parassiti (The silverside
 of Lake Trasimeno and its parasites)

F

Moretti, G. (1958) 59-9560
Quad.Soc.ital.Biol.sperim., Perugia,
 21:1-230
 Il Lago Trasimeno - Tre anni di studi
 idrobiologici (The Lake Trasimeno
 Three years of hydrobiological studies)

F

Viganò, A. (1958) 59-9563
Riv.Biol., 50(4)Nuov.Ser. 10:383-93
 Aliquote tricotterologiche nel tubo
 digerente dei pesci di acqua dolce
 (The aliquot of Trichoptera in the
 digestive tube of freshwater fishes)

F

Moretti, G., F.S. Gianotti 59-9561
 & A. Giganti (1959)
Riv.Biol., 51(1)Nuova Ser.11 3-38
 Il latterino (Atherina mochon Cuv.)
 nel Trasimeno (Biometria, regime
 dietetico, pesca e parassitismo
 (The silverside, Atherina mochon Cuv.,
 in Lake Trasimeno; biometrics,
 dietetic regime, fishery and parasitism)

F

Moretti, G., L. Formicone 59-9564
 & L. Chiarini (1958)
Riv.Sci.nat., 49:127-35
 Ritmo emeraldale nel F. Tordino
 (Abruzzo-Teramo) (Diurnal rhythm
 in the Tordino River, Abruzzi-
 Teramo)

F

Moretti, G., F.S. Gianotti 59-9565
 & C. Rossi (1958)
Atti Soc.ital.Sci.nat., 97(4):281-307
 Ritmi nictemerali dell'ossigeno
 disciolto nelle acque preappenniniche
 del Fiume Metauro (Marche-Pesaro)
 (Nictemeral rhythms of oxygen dissolved
 in the pre-Appennine waters of the
 Metauro River; Marches-Pesaro)

F

Müller-Melchers, F.C.(1957)59-9568
Bol.Inst.oceanogr.S.Paulo, 8(1-2):
 111-137

Plankton diatoms of the TCKO-IARU
 voyage (Brazil coast). Es

A catalogue of spp. with notes on
 occurrence & distribution.

GLK:hr

M

Marcus, E. & 59-9566
 E. Marcus (1957)
Bol.Inst.oceanogr.S.Paulo, 8(1-2):3-21
 Notes on Aplysia. Es

A taxonomic description of A. cervina
 from the litoral of São Paulo, Brazil,
 followed by comparative remarks on the
 generative system of 3 spp. of the
 genus of the Brazilian coast. A key
 to the identification of the Brazilian
 sea-hares is given.

GLK:hr

M

Travassos, H. & 59-9569
 M.P. Paiva (1957)
Bol.Inst.oceanogr.S.Paulo, 8(1-2):
 139-69

Lista dos Sciaenidae marinhos
 brasileiros, contendo chave de
 identificação e proposta de "nomes
 vulgares oficiais" (List of
 marine Brazilian Sciaenidae, with
 keys to their identification and
 proposals for standard common names).
 En

A list of spp. & a simple key to
 their identification is given,
 followed by a survey of their

Vannucci, M. (1957) 59-9567
Bol.Inst.oceanogr.S.Paulo, 8(1-2):23-109
 On Brazilian hydromedusae and their
 distribution in relation to different
 water masses. Es

Records the spp. taken in hauls made
 from January 1954 to December 1956 at
 different points of the Brazilian
 coast & describes them giving their
 world-wide distribution. Discusses
 the distribution and association of the
 spp.

GLK:hr

M

59-9569
 (Card 2)

common names. A list of official
 common names is proposed with a
 view of stabilizing the names used
 in the fishery statistics of the
 country.

GLK:hr

M

Andrade, M.H. de A. & 59-9571
C. Teixeira (1957)
Bol.Inst.oceanogr.S.Paulo, 8(1-2):
171-215

Contribuição para o conhecimento das
diatomáceas do Brasil
(Contribution to the knowledge of the
Brazilian diatoms). En

A check list of 54 spp. of the group
Naviculoidae from samples collected
between 17°-25° lat.S. The material
examined comprises plankton, bottom,
samples & seaweeds from which the
diatoms were taken.

GLK:hr

M

Carvalho, J. de P. (1957) 59-9574
Bol.Inst.oceanogr.S.Paulo, 8(1-2):
241-53

Sobre estádios larvares de
Lernaeenicus longiventris Wilson -
(Crustacea - Copepoda) (On
larval stages of Lernaeenicus longi-
ventris Wilson - Crustacea-Copepoda).
En

Larval stages found in
Xenomelaniris brasiliensis are
described & comparison of young
& adult appendages made. The
resistence of the larvae was also
considered.

GLK:hr

M

Vannucci, M. (1957) 59-9572
Bol.Inst.oceanogr.S.Paulo, 8(1-2):217-23
A nova sistemática e a
planctonologia (The new systematics
and the planktology)

An essay on the application of the
concepts of the new systematics to the
study of plankton.

GLK:hr

F

Richards, F.J. (1959) 59-9575
J.exp.Bot., 10:290-300
A flexible growth function for
empirical use

Application of an extended form of
von Bertalanffy's growth function to
plant data is considered; the equation
has considerable flexibility, but is
used only to supply an empirical fit.
In order to aid the biological
analysis of such growth data as are
capable of representation by the
function, general rate parameters are
deduced which are related in a simple
manner to its constants. Ci 571736.
FAO:fjr G

Ferrando, H.J. (1957) 59-9573
Bol.Inst.oceanogr.S.Paulo, 8(1-2):225-40
Hipotesis sobre productividad en el
area bioceanografica correspondiente
a los litorales maritimos de Argentina,
Uruguay y sur del Brasil (Hypothesis
on productivity in the bio-oceanographic
area of the coasts of Argentina,
Uruguay and southern Brazil)

Presents an hypothesis on the
possible productivity in the coastal
area between 33°-38° lat.S & specially
53° long.W. A plan of study of the
area is outlined.

GLK:hr

M

Johnson, A. (1959) 59-9576
Malay.Nat.J., 13:99-223
A student's guide to the ferns of
Singapore Island

A detailed study of ferns & fern-
allies; chapters on ecology, general
key to identification, description
of families & spp. & list of genera.
Incl. aquatic ferns.

GLK:efa

FG

Juget, J. (1958) 59-9577
Ann.Sta.cent.Hydrobiol.appl., 7:7-96
 Recherches sur la faune de fond du
 Léman et du Lac d'Annecy (Research
 on the fauna in the depths of Lakes
 Lemman and Annecy)

Reviews previous & current work; with
 special reference to Oligochaetes &
 chironomids. Classification & keys
 given for these, & especially for spp.
 of Tubificidae, Lumbriculidae;
Limnodrilus & Ilyodrilus diagnoses.
 Variation of macrofauna with nature of
 sediments; oxygen reserves in the
 depths; underwater sources; commensals
 & parasites; seasonal variations.
 GLK:sjh F

Batias, A. (1958) 59-9578
Ann.Sta.cent.Hydrobiol.appl., 7:97-186
 Le lavaret du Lac du Bourget (Coregonus
lavaretus L.) (The "lake-trout" of
 Bourget Lake, Coregonus lavaretus L.)

Distribution, diagnosis, morphology,
 general ecology - reproduction,
 incubation, nutrition, the environment,
 length distribution, sex differences,
 scale readings, growth, weight-length
 relation. Section on C. bezola.

GLK:sjh F

Plagnat, F. & 59-9579
 M. Nisbet (1958)
Ann.Sta.cent.Hydrobiol.appl., 7:187-237
 La pollution du Rhône par les vidanges
 du lac de retenue du barrage
 hydroélectrique de Verbois (Suisse)
 recevant les égouts de l'agglomération
 genevoise (The pollution of the
 Rhône by the emptying of the reservoir
 of the Verbois, Swiss, hydroelectric
 dam receiving the run-off of the
 Geneva range)

Reports detailed results of studies
 1951, 1954 & 1956; maps, bibliography.
 Effect on fish & fish culture; incl.
 short introduction by P. Vivier.
 GLK:sjh F

Morgan, G.D. (1958) 59-9580
J.sci.Labs.Denison Univ., 44(11):
 151-202

A study of six different pond
 stocking ratios of largemouth bass,
Micropterus salmoides (Lacépède), and
 bluegill, Lepomis macrochirus
 Rafinesque; and the relation of the
 chemical, physical and biological
 data to pond balance and productivity

Age, growth & condition studies;
 annulus formation; plankton,
 vegetation & its control, weed
 cutting effect on dissolved oxygen.

GLK:sjh F

Vivier, P. (1958) 59-9581
Ann.Sta.cent.Hydrobiol.appl., 7:
 239-50

Un exemple d'acclimatation ancienne:
 les corégones des lacs du Massif
 Central (An example of ancient
 acclimatation: the coregonids of the
 lakes of the Central Massif)

Reviews introductions & natural
 spread of Coregonus spp. in France
 in historic times. Special reference
 to Neufchâtel, Lac Chauvet, Lac
 d'Issarlès, Lake Constance.

GLK:sjh F

Lefèvre, M. (1958) 59-9582
Ann.Sta.cent.Hydrobiol.appl., 7:
 251-67

De l'influence des matières
 organiques sur la nature et
 l'abondance du plancton (On the
 influence of organic matter on the
 nature and abundance of plankton)

Study of Berly & Rondeau ponds. Mode
 of action of organic materials in
 fish culture.

GLK:sjh F

Nisbet, R. (1958) 59-9583
Ann.Sta.cent.Hydrobiol.appl., 7:269-84
 Aperçu chimique sur quelques ruisseaux
 des Vosges: le Rabodeau et ses
 affluents (Chemical survey of some
 streams of the Vosges: the Rabodeau
 and its tributaries)

Data tabulated for this area of
 France in 1955-57.

GLK:sjh

F

Omura, H. (1953) 59-9586
Sci.Rep.Wholes Res.Inst., Tokyo, (13)
 1-52
 North Pacific right whale

A detailed account of a study of two
Eubalaena of Japan completed by
 other observations covering the
 following items: recent occurrence
 & migration size & weight, external
 characters, baleen & food,
 reproductive organs & osteology.

FAC:hr

M

Wood, E.M. (1958) 59-9584
Ann.Sta.cent.Hydrobiol.appl., 7:285-99
 Fixation du radioiode par les oeufs et
 alevins de quelques salmonidés (Salmo
fario L., Salmo irideus GIB., Salmo
salar L.) (Fixation of radioiodine
 by the eggs & fry of some salmonids -
Salmo fario L., S. irideus GIB., S.
salar L.)

Experiments particularly on the
 absorption of water by eggs on
 spawning & in relation to thyroid
 activity.

GLK:sjh

F

Nishiwaki, I. & 59-9587
 C. Handa (1958) 59
Sci.Rep.Wholes Res.Inst., Tokyo, (13)
 85-96

Killer whales caught in the coastal
 waters off Japan for recent 10 years

A report on biological composition,
 reproduction, food & utilization based
 on catch records.

FAC:hr

M

Griffe, J. (1958) 59-9585
Ann.Sta.cent.Hydrobiol.appl., 7:301-27
 Note sur la pollution des cours d'eau
 par des fabriques de pâte de bois
 feuillus (Note on the pollution of
 water courses by wood pulp mills)

Analysis of sulphite & other residues
 of paper factories on the Seine;
 chemistry & biology.

GLK:sjh

F

Ohsumi, S.K., I. Nishiwaki 59-9588
 & T. Hibiya (1958)
Sci.Rep.Wholes Res.Inst., Tokyo, (13)
 97-133

Growth of fin whale in the Northern
 Pacific

Describes growth of fetuses, body
 length at birth, growth of calf, body
 length & age at sexual & physical
 maturity, & total growth of
Balaenoptera physalus during 1952 to
 1957.

FAC:hr

M

Nishiwaki, M., T. Hibiya 59-9589
 & S.K. Ohsumi (1958)
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
 135-53

Age study of sperm whale based on
 reading of tooth laminations

A study of age composition using
 maxillary & mandibular teeth as age
 characters. Method of lamination
 reading & characteristic of the teeth
 are considered & the following
 relations: body length, weight of
 tests & number of laminations in the
 teeth; number of ovulations, body

Fujino, K. (1958) 59-9592
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
 171-84

On the serological constitution of fin
 whale - III. Human B blood group
 substances in erythrocytes and some
 notes on anti-fin Ju specific
 antibodies

Reports on a new B partial antigen
 in fin whale cells which has simpler
 structure than the already-known BIII
 in guinea pig cells, & notes some
 observations on the anti-fin Ju normal
 antibodies in the sera of immune
 animals & the appearance of immune

59-9589
 (Card 2)
 length & number of laminations;
 number of laminations in the teeth &
 body length.

59-9592
 (Card 2)
 antibody into egg-white of a fowl.

FAO:hr

M

FAO:hr

M

Nishiwaki, M., T. Ichihara 59-9591
 & S.K. Ohsumi (1958)
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
 155-69

Age studies of fin whale based on ear
 plug

Examines ear plugs collected in the
 Antarctic season 1956-57 & in the
 Northern Pacific season 1956 & 1957.
 Laminations of ear plugs are
 considered chiefly against the
 numbers of total ovulations but
 variation of core length, examination
 & weight of testis & lamination &
 body length are also studied.

FAO:hr

M

Nemoto, T. (1958) 59-9594
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
 185-91

Cocconeis diatoms infected on whales
 in the Antarctic

Cocconeis ceticola is mostly common
 on fin, sei & blue whales, but it is
 rarely found on humpbacks & sperms.
 A new form C. ceticola f.
subconstricta is described from blue
 whales in the Antarctic.

FAO:hr

M

Nemoto, T. & 59-9595
K. Nasu (1958)
Sci.Rep. Whales Res.Inst., Tokyo, (13):
193-9

Thysanoëssa macrura as a food of baleen
whales in the Antarctic

T. macrura was found to be staple food
of baleen whales. It supposedly is
distributed in waters of higher
temperature & salinity than Euphausia
superba.

FAO:hr

M

Nasu, K. (1958) 59-9598
Sci.Rep. Whales Res.Inst., Tokyo, (13):
211-2

Deformed lower jaw of sperm whale

Records of catches of deformed whales
by Japanese whalers.

FAO:hr

M

Ichihara, T. (1958) 59-9596
Sci.Rep. Whales Res.Inst., Tokyo, (13):
201-5

Gray whale observed in the Bering Sea

A note on distribution, migration &
habits of Rhacnianectes on the American
& Japanese coasts of the Pacific with
remarks on distribution of other whales.

FAO:hr

M

Omura, H. (1958) 59-9599
Sci.Rep. Whales Res.Inst., Tokyo, (13):
213-4

Note on embryo of Baird's beaked
whale

Records of embryos of Berardius
bairdii in Japanese waters, the 1st
12mm from head to caudal flexure
showed an exceptional pairing taken
place in summer; the 2nd was 242cm
long.

FAO:hr

M

Ohsumi, S.K. (1958) 59-9597
Sci.Rep. Whales Res.Inst., Tokyo, (13):
207-9

A descendant of Moby Dick, or a white
sperm whale

A catch record of an albino sperm whale
in the adjacent waters of Japan, Lat.
42°24.5'N, Long. 148°52.5'E.

FAO:hr

M

Uda, M. & 59-9600
F. Suzuki (1958)
Sci.Rep. Whales Res.Inst., Tokyo, (13):
215-29

Studies of the relation between the
whaling grounds and the hydrographic
conditions - III. The averaged
conditions of the whaling grounds and
their trends of variation during
1946-55

An analysis of whaling grounds &
whale catches in the adjacent waters
of Japan, probable causes of
variation of the grounds, & their
optimum water temperature.

FAO:hr

M

Seki, Y. (1958) 59-9601
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
231-51

Observations on the spinal cord of the right whale

Macroscopical & microscopical observations of the spinal cord of a female Eubalaena glacialis captured off Kinkazon.

FAO:hr

M

Karohji, K. (1959) 59-9604
Bull.Fac.Fish.Hokkaido, 9:259-67
Report from the OSHIRO MARU on oceanographic and biological investigations in the Bering Sea and northern North Pacific in the summer of 1955 - IV. Diatom associations as observed by underway samplings

Oceanic & neritic populations, characteristic spp. of warm & cold masses; charts & tables of data.

FAC:sjh

M

Kamiya, T. (1958) 59-9602
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
253-67

How to count the renculi of the cetacean kidneys, with special regard to the kidney of the right whale

Countings of renculi of 11 spp. of whales specially the Balaena glacialis by a new method consisting of classification of lobulation by external appearance & classification by counting papillae of the renculi.

FAO:hr

M

Maeda, T. (1959) 59-9605
Bull.Fac.Fish.Hokkaido, 9:268-82
(Study on the salmon fishing grounds in the North Pacific Ocean).
Ni En

Oceanography, May&July 1956.
Seasonal appearance & movements of Oncorhynchus spp. & red & dog salmons.

FAC:sjh

M

Hosokawa, H. & 59-9603
T. Sekino (1958)
Sci.Rep.Wholes Res.Inst., Tokyo, (13):
269-301

Comparison of the size of cells and some histological formations between whales and man

Statistical comparison of several kinds of cells & histological structures of whales, men, & other mammals. The problem of cell size in general is discussed specially regarding some different types of cells.

FAO:hr

M

Oishi, K. et al. (1959) 59-9606
Bull.Fac.Fish.Hokkaido, 9:283-98
(Quality of edible seaweeds belonging to the Laminariaceae - I. Evaluation of the quality). Ni En

FAC:x



Murata, K. et al. (1959) 59-9607
Bull.Fac.Fish.Hokkaido, 9:299-305.
(Quality of edible seaweeds belonging
to the Laminariaceae - 2. Studies on
the quality of Laminaria japonica).
Ni En

FAO:x

Sasa, S. (1959) 59-9610
Bull.Fac.Fish.Hokkaido, 9:329-64
Chemical studies on herring meat (2)
VIII. Chemical composition of the
protein of herring meat

FAO:x

Oguro, M. (1959) 59-9608
Bull.Fac.Fish.Hokkaido, 9:306-10
(Studies on the decomposition of
alginic acid - Preliminary report).
Ni En

FAO:x

Rand, R... (1959) 59-9611
Invest.Rep.Div.Fish.S.Afr., (34):
769-840
The cape fur seal (Arctocephalus
pusillus) - Distribution, abundance
and feeding habits off the south
western coast of the Cape Province

(issued as supplement to Comm.Industr.
17(12), 1959). Also deals with
parasites, seals as predators on
commercial fishes - especially
massbanker & pilchard, rocklobster
& line-caught game fishes. Relation
with guano industry. Size & growth;

Motohiro, T., S. Fukushima 59-9609
& E. Tanikawa (1959)
Bull.Fac.Fish.Hokkaido, 9:311-28
(Studies on the complete utilization
of squid (Cmmastrephes sloani
pacificus) - XVIII. On the manufacture
of salted dried squid meat).
Ni En

FAO:x

59-9611
(ard 2)
tagging experiments; census -
pelagic & on land.

FAO:sjh

M

Jhingran, V.G. (1959) 59-9613
Proc.nat.Inst.Sci.India, 25B:107-37
 Studies on the age and growth of
Cirrhina mrigala (Ham.) from the
 River Ganga

Growth rates from scales & by Petersen
 method, relations of body weight,
 total length & girth for purpose of
 stock assessment & possible need for
 mesh regulation.

FAO:sjh

M

Fryer, G. (1959) 59-9616
Proc.zool.Soc.Lond., 132:517-50
 A report on the parasitic copepoda
 and brachiura of the fishes of Lake
 Bangweulu (Northern Rhodesia)

Ill. description of spp. of
Lamproglana, Ergasilus, Lernaea,
Afrolernaea, Argulus, Dolops &
Chonopeltis on Tylochromis, Clarias,
Synodontis, Gnathonemus, Tilapia,
Hydrocyon, Labeo, Chrysichthys,
Sargochromis, Mormyrops, Marcusenius,
Heterobranchus & some spp. of other
 fish genera.

FAO:sjh

F

Craig, R.E. (1959) 59-9614
Mar.Res., (2):30 p.
 Hydrography of Scottish coastal
 waters

A compilation & general review of
 several years' data; gives charts of
 salinity & temperature distributions by
 months; describes water movements by
 areas; situation in sea lochs &
 estuaries. Appendices give conversion
 table for salinity to D.C.I. -
 Reprinted from Ann.biol., 10:87, &
 notes on computation of estuarine
 circulation.

FAO:sjh

M

Pike, R.B. & 59-9617
 D.I. Williamson (1959)
Proc.zool.Soc.Lond., 132:551-67
 Observations on the distribution and
 breeding of British hermit crabs and
 the stone crab (Crustacea: Diogenidae,
 Paguridae and Lithodidae)

Records & bionomics of Diogenes,
Pagurus, Anapagurus, Lithodes &
Catapaguroides; experiments with
 reference to Clyde Area, Irish Sea,
 Channel. Evidence of distributional
 changes in past 50 years.

FAO:sjh

M

IHB (1959) 59-9615
Int.hydr.Bull., (10):283-306

Contains notes on activities of the
 Bureau & information on charts,
 sailing directions, lights, tides &
 currents, work carried out & projected
 & new charts & new editions of charts.

FAO:glk

M

Barnes, H. & 59-9618
 E.S. Reese (1959)
Proc.zool.Soc.Lond., 132:569-85
 Feeding in the pedunculate cirripede
Pollicipes polymerus J.B. Sowerby

Descriptions of cirri & mouth parts,
 & ill. of their mode of function in
 this barnacle from Pacific coast of
 N. America. Field & laboratory
 observations show difference from
 other barnacles in absence of
 rhythmic movements of cirral net.

FAO:sjh

M

Marshall, A.J. & 59-9619
 J.D. Roberts (1959)
Proc.zool.Soc.Lond., 132:617-25
 The breeding biology of equatorial
 vertebrates: reproduction of cormorants
 (Phalacrocoracidae) at latitude 0°20'N

Incl. reference to feeding on
Haplochromis, & also Tilapia,
Mormyrus & Bagrus in Lake Victoria &
 Nile headwaters.

FAO:sjh

F

Green, J. (1959) 59-9622
Proc.zool.Soc.Lond., 132:647-54
Sphaeronella serolis Monod, and a new
 species of Rhizothina, copepods
 parasitic on the isopod Serolis
bromleyana Suhm (Crustacea)

Ill. taxonomic descriptions. The
 isopod is from area between Chatham
 Island & New Zealand.

FAO:sjh

M

Mauchline, J. (1959) 59-9620
Proc.zool.Soc.Lond., 132:627-39
 The development of the Euphausiacea
 (Crustacea) especially that of
Meganyctiphanes norvegica

General review; nomenclature of
 euphausiid larvae; study of samples
 from Clyde Sea area.

FAO:sjh

M

Ellis, L.G. (Comp.) (1959) 59-9623
Zool.Rec., 93(19):21 p.
 List of new generic and subgeneric
 names recorded in volume 93, year
 1956

Alphabetic list of 2042 new names,
 indicating author, phylum, &
 reference with the volume. Incl. 69
 fish names, 84 crustacea, 8
 echinoderms, 51 coelenterates, 153
 molluscs, 9 porifera, 4 protochordates,
 etc.

FAO:sjh

MF

Hewer, H.R. & 59-9621
 K.M. Backhouse (1959)
Proc.zool.Soc.Lond., 132:641-5
 Field identification of bulls and cows
 of the grey seal, Halichoerus grypus
 Fab.

Ill. descriptions of colour tone
 criterion for sex determination & its
 application to observation of head &
 neck, back, belly & flippers.
 Observations on colonies round British
 Isles.

FAO:sjh

M

Naegelé, A. (1959) 59-9624
Bull.Inst.franç.Afr.naire, 21:1177-94
 Note préliminaire sur la flore et la
 végétation du cordon littoral ou
 avant-dune au Sénégal (Preliminary
 note on the flora and vegetation of
 the coast of Senegal in front of the
 dunes)

A summary of observations on the
 flora of the beaches between Dakar &
 Joal.

FAC:hr

M

Chappuis, P.A. (1959) 59-9625
Bull.Inst.franç.Afr.noire, 21:1211-5
 Deux Parastenocaris des sables du
 Niger (Two Parastenocaris of the
 sands of the Niger)

Taxonomic descriptions & P. monodi &
P. nigerianus n.spp.

FAO:hr

F

Daget, J. (1959) 59-9628
Bull.Inst.franç.Afr.noire, 21:1275-303
 Note sur les Distichodus (Poissons
 characiformes) de l'Ouest africain
 (Notes on the Distichodus,
 characiforms, of West Africa)

A study of morphology & coloration,
 geographical distribution, ecology,
 anatomy, & osteology of D. brevi-
pinnis, D. rostratus, & D. engy-
cephalus which are compared with
Paradistichodus.

FAO:hr

F

Watts, J.C.D. (1959) 59-9626
Bull.Inst.franç.Afr.noire, 21:1237-52
 Some observations on the marking of
 demersal fish in the Sierra Leone
 River estuary

Results of fish marking experiments
 carried out on the more common
 demersal spp. with observations on
 marking mortality & marking rate,
 retention of the marks, recoveries &
 growth rate of Drepane africana.

FAO:hr

MF

Le Danois, Y. (1959) 59-9629
Bull.Inst.franç.Afr.noire, 21:1304-25
 Adaptations morphologiques et
 biologiques des poissons des massifs
 coralliens (Morphological and
 biological adaptations of fishes of
 the coral formations)

A list of spp. classified according
 to their habits, followed by
 classifications by morphological
 feeding & tegument.

FAO:hr

M

Marchal, E. (1959) 59-9627
Bull.Inst.franç.Afr.noire, 21:1253-74
 Observations sur quelques Neothunnus
albacora (Lowe) capturés au large des
 côtes de Guinée (Observations on
 some Neothunnus albacora (Lowe) caught
 off the coast of Guinea)

Gives dates, localities of catches,
 temperature & salinities, morphometric
 measurements & meristic counts, & data
 on growth & spawning.

FAO:hr

M

Cadenat, J. (1959) 59-9630
Bull.Inst.franç.Afr.noire, 21:1326-35
 Notes d'ichtyologie ouest-africaine -
 XXV. Description d'une Mobula de
 grande taille, à aiguillon caudal, de
 Côte d'Ivoire: Mobula rancureli, sp.
 nov. (1) (West African ichthyo-
 logical notes - XXV. Description of
 a Mobula of large size and caudal
 spine of the Ivory Coast: Mobula
rancureli, sp. nov.)

Morphometric measurements &
 morphological description.

FAO:hr

M

Lamotte, M., J.-L. Perret . 59-9631
 & S. Dzieduszycka. (1959)
Bull.Inst.franç.Afr.noire, 21:1336-50
 Contribution à l'étude des batraciens
 de l'Ouest africain - X. Les formes
 larvaires de Cryptothylax greshoffi,
Leptopelis notatus et Ptychadena
taeniocelis (Contribution to the
 study of batrachians of West Africa -
 X. Larval forms of Cryptothylax
greshoffi, Leptopelis notatus and
Ptychadena taeniocelis)

Contents as per title.

FAO:hr

F

Vaas-van Oven, A. (1959) 59-9634
Proc.Indo-Pacif.Fish.Coun., 7(2-3):
 1-11
 On the use of marygold (Tithonia
diversifolia Gray) as green manure
 in Indonesian carp ponds

Published CR 59-7018.

SJH:

F

Cadenat, J. (1959) 59-9632
Bull.Inst.franç.Afr.noire, 21:1367-1440
 Rapport sur les petits cétacés ouest-
 africains - Résultats des recherches
 entreprises sur ces animaux jusqu'au
 mois de mars 1959 (Report on the
 small cetaceans of West Africa -
 Results of the investigations on those
 animals until March 1959)

A review of the present knowledge on
 the taxonomy & biology of the small
 toothed spp. of cetaceans.

FAO:hr

M

Vaas-van Oven, A. (1959) 59-9635
Proc.Indo-Pacif.Fish.Coun., 7(2-3):
 13-34
 Experiments on different stocking
 rates of the common carp (Cyprinus
carpio L.) in nursing ponds

Published CR 59-7019.

SJH:

F

IPFC (1959) 59-9633
 FAO Regional Office, Bangkok, Thailand,
 218 p.
 Proceedings - 7th session, Bandung,
 Indonesia, 13-27 May 1957 - Sections
 II and III

contains technical papers 59-9634 to
 59-9668 & symposium papers 59-9669 to
 59-9676.

SJH:sjh

LF

Kuronuma, K. & 59-9636
 K. Nakamura (1959)
Proc.Indo-Pacif.Fish.Coun., 7(2-3):
 35-42
 Weed control in farm pond and
 experiment by stocking grass carp

SJH:

F

Kobayashi, S. & 59-9637
H. Hirata (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):43
How should the time of food supply
be controlled in fish culture
Ab 59-7011.

SJH: F

Sulit, J.I., R.S. Esguerra 59-9640
& H.P. Rabanal (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):44
Fertilization of Bangos nursery
ponds with commercial chemical
fertilizer
Ab 59-7015.

SJH: MF

Ronquillo, I.A. & 59-9638
A. de Jesus (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):43
Notes on growing of "lab-lab" in
Bangos nursery ponds
Ab 59-7013.

SJH: MF

Vaas, K.F. (1959) 59-9641
Proc. Indo-Pacif. Fish. Coun., 7(2-3):45
Studies on food and feeding habits of
the common carp in Indonesian pond
Ab 59-7017.

SJH: F

Ronquillo, I.A., E. 59-9639
Villamater & H. Angeles (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):44
Observations on the use of terramycin
and vigofac enriched diet on Bangos
fry, Chanos chanos (Forsk.)
Abstr. only.

SJH: MF

Soeseno, B.S. (1959) 59-9642
Proc. Indo-Pacif. Fish. Coun., 7(2-3):45
Some notes on a tendipedide larva
of the Plumosus-type from Java
Ab 59-7020.

SJH: F

Kawamoto, N.Y., B. Fujimura 59-9643
& M. Tanizaki (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):46
Preliminary report of studies on
transportation of live rainbow trout

Abstr. only.

Rapson, A.M. (1959) 59-9646
Proc. Indo-Pacif. Fish. Coun., 7(2-3):47
Coastal and highland freshwater
fishery problems of Papua and Guinea

Ab 59-7035.

SJH:

F

SJH

F

Sarojini, K.K. (1959) 59-9644
Proc. Indo-Pacif. Fish. Coun., 7(2-3):46
Observations on the occurrence,
collection, acclimatisation, transport
and survival of mullet seed in West
Bengal (India)

Ab 59-7031.

Otsu, T. & 59-9647
R.N. Uchida (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
49-52
Age determination of albacore by the
vertebral method

Published CR 59-7010.

SJH:

MF

SJH:

M

Fish, G.R. (1959) 59-9645
Proc. Indo-Pacif. Fish. Coun., 7(2-3):47
The fish culture research station
(Batu Berendam, Malacca, Federation
of Malaya)

Ab 59-7034.

Hayashi, S. (1959) 59-9648
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
53-64
A review on age determination
of the Pacific tunas

Published CR 59-7012.

SJH:

F

SJH:

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Fukai, R. (1959) 59-9649
Proc. Indo-Pacif. Fish. Coun., 7(2-3):65
A note on the difference of the basic
organic production between the seas
of low and high latitudes

Abstr. only.

SJH:

Mann, H. (1959) 59-9652
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
73-6

A new method of handling longline
gear (A description of POFI "tub"
gear)

CR 60-0485.

SJH:

M

Yabuta, Y. & 59-9650
M. Yukinawa (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):65-6
The growth and age of yellowfin tuna

Ab 59-7028.

SJH:

M

Bunag, D.M. (1959) 59-9653
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
77-81
"Bangos" fry trawl

SJH:

MF

Kristjonsson, H. (1959) 59-9651
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
67-71
Fishing gear research

SJH:

MF

Yuen, H.S.L. (1959) 59-9654
Proc. Indo-Pacif. Fish. Coun., 7(2-3):83
A preliminary report on the sea scanar,
an ultra-sonic fish finder

Abstr. only.

SJH:

M

Kartono, R.A. (1959) 59-9655
Proc. Indo-Pacif. Fish. Coun., 7(2-3):83
Comparison of fishing efficiency
between a) longline and "rawai" (Prawe),
b) trawl and "dogol", c) various types
of "pajang"

Abstr. only.

SJH:

M

Jayaraman, R. & 59-9658
P.D. Nayak (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):85
A preliminary account of the recent
experiments in mechanized fishing in
Bombay waters using small vessels

Abstr. only.

SJH:

M

Salam (1959) 59-9656
Proc. Indo-Pacif. Fish. Coun., 7(2-3):84
Indigenous types of fishing craft in
Indonesia

Abstr. only.

SJH:

M

Sulit, J.I. et al. (1959) 59-9659
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
87-92
Processing and storage of salted
herring (Sardinella perforata Cantor)

SJH: x

de Zylva, E.R.A. (1959) 59-9657
Proc. Indo-Pacif. Fish. Coun., 7(2-3):85
Mechanization of fishing craft and the
use of improved fishing gear in Ceylon
CR 59-6059.

SJH:

M

Tetsumoto, S. (1959) 59-9660
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
93-5
Studies on the preservation of
marine products by combined use of
salt and preservatives

SJH: x

Rakjat, L.M. (1959) 59-9661
Proc. Indo-Pacif. Fish. Coun., 7(2-3):97-9
Fish flour

Hardjohutomo, H. (1959) 59-9664
Proc. Indo-Pacif. Fish. Coun., 7(2-3):107
Improvement of keeping quality of
pindang

Abstr. only.

SJH:x

SJH:x

Gunasekera, C.E.St.C. & 59-9662
N.N. Silvea (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):101-6
An experimental investigation of dry
fish manufacture

Eddiwan, (1959) 59-9665
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
109-12
Economic aspects of fish processing

SJH:x

SJH:x

Kosol, S., et al. (1959) 59-9663
Proc. Indo-Pacif. Fish. Coun., 7(2-3):107
Recent work on fisheries food technology
in Thailand

Mitra, G.N. (1959) 59-9666
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
113-5
Role of pisciculture in rural economy
in Orissa

Abstr. only.

SJH:x

SJH:x

Mitra, G.N. (1959) 59-9667
Proc. Indo-Pacif. Fish. Coun., 7(2-3):116
An experiment in the organization of
marketing co-operatives in the Chilka
Lake

Abstr. only.

SJH:x

Djaingsastro, A. (1959) 59-9670
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
163-6
Paddy-cum-milkfish culture, a creation
from the lowlands of the Solo River

CR 584164.

SJH:

MF

Malay & Singapore Federation 59-9668
Fisheries Department (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):117
Report of the Fisheries Department's
economic survey of the purse seine
industry of Kuala Kedah

Abstr. only.

SJH:x

Johnson, M.C. & 59-9671
V.E. Davison (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
167-71
Food-fish farming in the United
States of America

SJH.

F

Ardiwinata, R.O. (1959) 59-9669
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
119-62
Fish culture on paddy fields in
Indonesia

Published CR 59-7004.

SJH:

F

Latida, Y., S. Kimura 59-9672
& M. Tanakawa (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
173-81
A preliminary experiment on
agricultural insecticides and paddy-
cum-fish culture

SJH:

F

Mitra, G.N. (1959) 59-9673
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
183-5
Pisciculture in reclaimed swamps and
its role in rural economy in Orissa

Published CR 59-7006.

SJH: F

Cao-Thien-Buu (1959) 59-9676
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
207-13
Quelques essais de rizipisciculture au
Sud-Viet-Nam (Some trials of rice
fish-culture in South Vietnam)

Published CR 59-7009.

SJH: F

Pillay, T.V.R. & 59-9674
B. Bose (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
187-92
Observations on the culture of
brackishwater fishes in paddy fields
in West Bengal (India)

Published CR 59-7007.

SJH: MF

Fish, G.R. (1959) 59-9677
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
215-8
Report on the symposium on fish
culture in rice fields

SJH: F

FAO. Fisheries Division. 59-9675
Biology Branch (1959)
Proc. Indo-Pacif. Fish. Coun., 7(2-3):
193-206
Fish culture in rice fields - A
preliminary review and annotated
bibliography

SJH: MF

Mather, F.J., III (1959) 59-9678
Woods Hole Oceanographic Institution,
Woods Hole, Mass., November 9, 2 p.
[Circular letter]

A newsletter listing & discussing tag
recaptures of marlin, sailfish &
bluefin tuna, locality & data of
tagging & of recapture, type of tag.

FiB:sjh M

Takano, H. (1959) 59-9679
Bull.Tokai reg.Fish.Res.Lab., (23):1-11
 Plankton diatoms in western Aleutian
 waters in the summer, 1953

Spp. lists, quantities, geographic
 distribution, from material collected
 at 43 stations N of 46°N, & 9 stations
 on way to & from Japan, by TENYO MARU.

FiB:sjh

M

Takayama, S., Y. 59-9682
 Shimozaki & K. Kanna (1959)
Bull.Tokai reg.Fish.Res.Lab., (23):
 39-49

(Studies on the effects of net
 preservatives - I. Preserving effects
 dependent on conditions applying a
 commercial copper naphthenate to
 twine). Ni En

FiB:x

Hirano, T. (1959) 59-9680
Bull.Tokai reg.Fish.Res.Lab., (23):
 13-24

(On the salinity of a small inlet
 connected with a bay by a channel).

Ni En

Hydrographic survey in 1957 of
 Nagashima Bay & Enoura Inlet. Relations
 of conditions here, which are
 determined largely by rainfall &
 freshwater inflow, to conditions needed
 for culture of egg pearl oyster.

FiB:sjh

MF

Matsumoto, J.J. (1959) 59-9683
Bull.Tokai reg.Fish.Res.Lab., (23):
 51-63

Studies on muscle proteins of the
 squid. Ni

FiB:x

Kawada, S. & 59-9681
 C. Yoshimuta (1959)
Bull.Tokai reg.Fish.Res.Lab., (23):
 25-37

(Fundamental study of the detection of
 fish by supersonic wave - II.
 Supersonic reflection coefficient of
 fishing net). Ni En

Analytical treatment of results of
 tank experiments & field tests, to
 measure reflexion from netting, glass
 floats, frame, pieces, etc.;
 particular attention to effect of mesh
 size, cord diameter, angle of netting,
 & its saturation.

FiB:sjh

M

Tetsumoto, S. (1959) 59-9684
Bull.Tokai reg.Fish.Res.Lab., (23):
 65-91

(Studies of preservation of marine
 products by chemical preservative -
 IV. Effect of nitrofurans compounds on
 the keeping quality of raw fish and
 shellfish). Ni En

FiB:x

<p>Swarup, H. & D.K. Belsare (1959) <u>Curr.Sci.</u>, 28:369 Thyroid gland in Ophicephalidae (Actinopterygii, Percomorphi)</p> <p>Identifies the "sub-pharyngeal sinus", described in <u>Ophiocephalus striatus</u> by Das, S.M. & D.B. Saxena (1954), <u>Curr.Sci.</u>, 23(4):127 & (1956) <u>Copeia</u> 1956(2):100, as the thyroid gland. In this family, & also in <u>Galeichthyes</u>, <u>Gymnarchus</u>, <u>Thunnus</u> & <u>Sparidae</u>, 580999, it is enclosed by capsular wall. Compact gland may be associated with air-breathing habit.</p> <p>FAO:sjh MF</p>	<p>Jeou-Jang, J. & F. Cheng-Yi (1959) <u>Sci.sinica</u>, 8:910-20 Advancement of geophysical sciences in China 1949-1959</p> <p>Comprehensive review; incl. section on physical oceanography - tidal waves, ocean waves, hydrography of seas round China; & also deals with maritime meteorology & climatology & general circulation.</p> <p>FAO:sjh M</p>
<p>Balasubrahmanyam, K. (1959) 59-9686 <u>Curr.Sci.</u>, 28:371-2 Occurrence of <u>Glandiceps</u> sp. and <u>Saccoglossus</u> sp. (Enteropneusta) from the inshore waters at Porto Novo</p> <p>Tornaria larvae are common in plankton of Bay of Bengal, but adults only recently overaged near shore at 10 fathoms.</p> <p>FAO:sjh M</p>	<p>Coching, C. (1959) 59-9689 <u>Sci.sinica</u>, 8:887-909 Scientific expeditions undertaken by Academia Sinica in recent years</p> <p>A detailed review, incl. the joint Chinese-USSR survey of the Amur Basin, started in 1956 & which incl. ichthyological & aquatic resource appraisal; other general studies of water basins; chapter on exploration of littoral seas, incl. institutions founded, their staff, facilities, & activities. Work of research vessel VENUS.</p> <p>FAO:sjh MF</p>
<p>Mahadevan, P.R. (1959) 59-9687 <u>Curr.Sci.</u>, 28:377 On the peculiarity in the conjugation of <u>Spirogyra punctulata</u> Jao</p> <p>Ill. description of formation of triploid zoospores in material from an Assam stream.</p> <p>FAO:sjh F</p>	<p>Bond, R.I. & J.C. Medcof (1958) 59-9690 <u>Canad.med.Ass.J.</u>, 79:19-24 Epidemic shellfish poisoning in New Brunswick, 1957</p> <p>(issued as: <u>Stud.Stas Fish.Res.Bd Can.</u> 1958(518)). Case histories, comparison of 1945 & 1957 epidemics, management & public education. Causes were <u>Mya</u> & <u>Spisula</u> in Bay of Fundy in June.</p> <p>FAO:sjh M</p>

Sergeant, D.E. (1958) 59-9691
Canad.Fld Nat., 72(4):156-9
Dolphins in Newfoundland waters

(issued as: Stud.Stas Fish.Res.Bd Can.,
1958(519)). Delphinus delphis
recorded from southern edge of the
Grand Bank, & from Flemish Cap, off
Newfoundland, in late July & August.
Records extend the known distribution
of the sp. northward in the northwest
Atlantic in summer.

FAO:des

M

Zen, E.-A. (1957) 59-9694
Amer.Min., 42:889
Preliminary report on the mineralogy
and petrology of some marine bottom
samples off the coast of Peru and
Chile

(issued as: Coll.Repr.Woods Hole
oceanogr.Instn., 1958(913)).

M

Fagerlund, U.H.L. & 59-9692
D.R. Idler (1959)
J.Amer.chem.Soc., 81:1-5
Marine sterols - V. Isolation of
7,24(28)-Ergostadien-3 β -ol from
starfish

(issued as: Stud.Stas Fish.Res.Bd Can.,
1958(546)). Isolated by chromato-
graphic separation of azoyl esters
prepared from the sterols of Pisaster
ochraceus, NE Pacific sp.

FAO:sjh

M

Te Punga, M.T. (1958) 59-9695
N.Z.J.Geol.Geophys., 1(1):92
Evidence for a low sea-level 9900
years ago

M

Scott, D.M. (1959) 59-9693
Canad.Fld Nat., 73(1):15-20
Observations on marine birds off
southwestern Nova Scotia

(issued as: Stud.Stas Fish.Res.Bd Can.,
1958(548)).

Leamy, M.L. (1958) 59-9696
N.Z.J.Geol.Geophys., 1(1):95
Pleistocene shorelines at Porirua
Harbour, near Wellington, New Zealand

FAO:

M

M

Vanneste, O. & P. Hovart (1959) 59-9697
 Bruges, 357 p.
 La pêche maritime belge - Etude économique (The marine fishery of Belgium - An economic study)

A study of the structure & problems of marine fisheries from catches to distribution & consumption. Describes the present situation & possibilities of the Belgian fisheries in the light of international commitments. The fisheries industry & its relation to Benelux & the European Economic Community is considered.

FAO:hr

M

Cantino, E.C. & G.F. Turian (1959) 59-9700
Annu.Rev.Microbiol., 13:97-24
 Physiology and development of lower fungi (Phycomycetes)

Review of research on these aquatic fungi, with particular reference to their reproduction.

FAO:sjh

F

Clifton, C.E., S. Raffel & M.P. Starr (Ed.)(1959) 59-9698
Annu.Rev.Microbiol., 13:553 p.

Contains 21 articles by various authors, each with bibliography. Indexes to subjects & authors cited. Incl. 59-9699 to 59-9703.

FAO:sjh

MF

Farber, L. (1959) 59-9701
Annu.Rev.Microbiol., 13:125-40
 Antibiotics in food preservation

Incl. sections on fish & shellfish preservation.

FAO:sjh

MF

Elliott, A.M. (1959) 59-9699
Annu.Rev.Microbiol., 13:79-96
 Biology of Tetrahymena.

Comprehensive review of studies of this freshwater ciliate protozoan, with special reference to its genetics, nutrition, metabolism & effects of irradiation.

FAO:sjh

F

Hastings, J.W. (1959) 59-9702
Annu.Rev.Microbiol., 13:297-312
 Unicellular clocks

Review of work on biological rhythms, with particular reference to Euglena, Gonyaulax, Paramecium, Noctiluca, Ceratium, Gymnodinium, Peridinium, Oedogonium, Uca & spp. of other genera. Field & laboratory experiments. Types of endogenous rhythms & their causes.

FAO:sjh

M

Postgate, J. (1959) 59-9703
Annu.Rev.Microbiol., 13:505-20
 Sulphate reduction by bacteria

General review; reference to Desulfovibrio & other genera; list of economic activities incl. consideration of recycling of bound phosphate in inland waters, of question of formation of sulphate-deficient waters, water pollution causing mortality of sea fish or damage to rice-fields.

FAO:sjh

MF

Elling, C.H. & 59-9706
 H.L. Raymond (1959)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (299):26 p.
 Fishway capacity experiment, 1956

Describes preliminary tests with salmonids on the Columbia River to determine the specific capacity of a prototype overfall fishway & to note factors which may influence this capacity.

WAD:wad

MF

Hewitt, B.R. (1959) 59-9704
Physiol.Plant., 12:452-5
 Glucose assimilation in normal and manganese deficient Chlorella cells

Normal & manganese deficient Chlorella cells were grown autotrophically, then glucose was added to the medium & the cells grown mixo- & heterotrophically.

FAO:brh

F

Long, C.W. (1959) 59-9707
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (300):9 p.
 Passage of salmonoids through a darkened fishway

Describes an experiment to determine the comparative rates of ascent of Salmo gairdneri through a fishway when darkened & when lighted.

WAD:wad

MF

Maxfield, G.H., K.L. Liscom 59-9705
 & R.H. Lander (1959)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (298):15 p.
 Leading adult squawfish (Ptychocheilus oregonensis) within an electric field

Describes experiments to determine the optimum values of potential, pulse frequency & pulse duration for leading adults within an electrical array, & the significance of direction of movement. Part of a program to reduce predation of squawfish on released fertilizing Pacific salmon.

WAD:wad

MF

Lander, R.H. (1959) 59-9708
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
 (301):5 p.
 The problem of fishway capacity

Proposes a rational leading to a rough model for evaluating the internal capacity of a fishway.

WAD:wad

G

Lennon, R.E. & 59-9709
P.S. Parker (1959)
Spec.sci.Rep.U.S.Fish Wildl.Serv.,
(306):22 p.
The reclamation of Indian and Abrams
creeks; Great Smoky Mountains National
Park

Detailed description of the methods
used in elimination of undesirable fish,
incl. techniques for estimating
dilution & velocity of toxicant,
detoxification - of rotenone -, etc.
Describes restocking & results.

WAD:wad

F

Snieszko, S.F., C.L. Dunbar 59-9712
& G.L. Bullock (1959)
Progr.Fish-Cult., 24:111-6
Resistance to ulcer disease and
furunculosis in eastern brook trout,
Salvelinus fontinalis

Describes methods & results of
experiments using strains from
different hatcheries.

GLK:wad

F

LesVeaux, J.F. (1959) 59-9710
Progr.Fish-Cult., 21:99-110
Summary report of survey to evaluate
the need for specific fish toxicants
in sport fishing waters

Describes returns from a questionnaire
sent to the States - USA - Puerto Rico
& TVA.

GLK:wad

FG

Sneed, K.E. & 59-9713
H.P. Clemens (1959)
Progr.Fish-Cult., 21:117-20
The use of human chorionic gonado-
trophin to spawn warm-water fishes

Describes experiments establishing
methods for spawning Ictalurus
punctatus, Carassius auratus &
Pomoxis annularis.

GLK:wad

F

Anonymous (1959) 59-9711
Progr.Fish-Cult., 21:110
/No title/

Note on testing of various ails used
to make gelatin capsules containing
calcium carbide attractive to
undesirable bottom-feeding fish.

GLK:wad

F

Anonymous (1959) 59-9714
Progr.Fish-Cult., 21:120
Material desired for research on
fungus

GLK:x

Mullan, J.W. (1959) 59-9715
Progr.Fish-Cult., 21:121-30
Observations on three reclaimed trout
ponds in Massachusetts

Presents the "case histories" of ponds
treated with rotenone to eliminate
undesirable fish & then restocked with
trout.

GLK:wad

F

Corson, B.W. (1959) 59-9718
Progr.Fish-Cult., 21:134
Jaw tags and sexual dimorphism in
mature rainbow trout

Describes some effects on condition
in tagged Salmo gairdnerii held
3 years.

GLK:wad

G

Anonymous (1959) 59-9716
Progr.Fish-Cult., 21:130
Control of aquatic insects with
vegetable oils

Describes practice of use of
emulsified oil in fish ponds.

GLK:wad

F

Piper, R.G. & 59-9719
K. Wolf (1959)
Progr.Fish-Cult., 21:135-7
Cost of disease treatment

Presents tables enabling one to
determine the cost of drugs used for
treating any known weight of fish
with any orally administered anti-
microbial agent.

GLK:wad

F

Rockwell, J., Jr. & 59-9717
S.P. Chur (1959)
Progr.Fish-Cult., 21:131-4
An underwater observation chamber

Describes a submerged chamber with
large window to be used as an aid to
underwater photograph, fish counting,
observation, etc.

GLK:wad

G

Stewart, L. (1959) 59-9720
Progr.Fish-Cult., 21:137
Electrical fish diversion screen in
England

A brief note on a 3-phase alternating
current screen designed to protect
sea trout & salmon on the River
Leven.

GLK:wad

MF

Beall, H.B. & 59-9721
R.W. Wahl (1959)
Progr.Fish-Cult., 21:138-41
Trapping bluegill sunfish in West
Virginia ponds

Describes methods & results of
experiments to determine relative
effectiveness of several wire traps
& the use of bait to remove Lepomis
macrochirus.

GLK:wad

F

Lambou, V.W. (1959) 59-9724
Progr.Fish-Cult., 21:143-4
Block-off net for taking fish-
population samples

Gives detailed description of a
net 280 yds x 20 ft to block off
1-acre areas; describes use of &
reasons for use.

GLK:wad

F

Hutt, F.B. (1958) 59-9722
New York, Comstock Publ. Associates,
198 p.
Genetic resistance to disease in
domestic animals

G

Traung, J.-O. (Comp.)(1959) 59-9725
FAO, Rome, 82-155
Fishing boat tank tests - Part II

Sheets 82-155, continuation of
"Fishing boat tank tests - Part I",
by J.O. Traung, 1955, FAO, Rome, 81 p.
with extra bibliography, list of
additional tanks.

SJH:sjh

M

Snieszko, S.F. (1959) 59-9723
Progr.Fish-Cult., 21:141-2
Genetic resistance to disease in
domestic animals

Re 59-9722, pointing out its
applicability in fisheries work.

GLK:wad

G

Williams, R.W. (1959) 59-9726
Fish.Res.Pap.Wash.Dep.Fish., 2(2):
5-30
The fishery for herring (Clupea
pallasii) on Puget Sound

Reviews life-history, history of
fishery, gear used, management
practices, catch trends, seasons,
areas, stock condition; effect of
harvesting small herring.

FAO:sjh

M

Schoeneman, D.E. (1959) 59-9727
Fish.Res.Pap.Wash.Dep.Fish., 2(2):31-7
Survival of downstream migrant salmon
passing Alder Dam in an open flume

Concluded that method of transporting
downstream migrant fish from a forebay
collecting device to tailwater by means
of an open flume does not create
damage serious enough to cause death.
Tests could not involve assessment of
possible predation on fish stunned or
confused by their being catapulted into
tailwater. Study of Oncorhynchus spp.,
chinook & silver.

FAO:des

MF

Rees, W.H. (1959) 59-9730
Fish.Res.Pap.Wash.Dep.Fish., 2(2):
53-65

Effects of stream dredging on young
silver salmon (Oncorhynchus kisutch)
and bottom fauna

Controlled experiments 1952-53, Little
Bear Creek, NE of Seattle;
benthos density, stomach contents
of fish; population estimates of fish.

FAO:sjh

MF

Hickman, C.P., Jr. (1959) 59-9728
Fish.Res.Pap.Wash.Dep.Fish., 2(2):38-47
The larval development of the sand sole
(Psettichthys melanostictus)

Describes & ill. development of larvae
reared in laboratory & caught in Puget
Sound, 1955.

FAO:sjh

M

Pruter, A.T. (1959) 59-9731
Fish.Res.Pap.Wash.Dep.Fish., 2(2):
66-70

Tagging experiments on sablefish at
Holmes Harbor, Washington

Growth & movement of Anoplopoma
fimbria.

FAO:sjh

M

Junge, C.O., Jr. (1959) 59-9729
Fish.Res.Pap.Wash.Dep.Fish., 2(2):48-52
Commercial salmon fishing intensity
in Puget Sound, 1939-1955

Oncorhynchus - pink, sockeye, silver,
chum - catch per license - gill-nets,
reef net & purse seine - & relation
catch to number of licenses, 1945-55.

FAO:sjh

MF

Wendler, H.O. (1959) 59-9732
Fish.Res.Pap.Wash.Dep.Fish., 2(2):
71-81

Migration and fishing mortality rates
of Columbia River spring chinook
salmon in 1955

Results of tagging experiments,
Jan.-April, 1955. Delay of fish at
river mouth, rate of migration, size
composition.

FAO:sjh

MF

Thompson, R.B. (1959) 59-9733
Fish.Res.Pap.Wash.Dep.Fish., 2(2):82-3
 A study of localized predation on
 marked chinook salmon fingerlings
 released at McNary Dam

Stomach contents of gill-netted
 squawfish, sculpin, brown trout &
 steelhead, incl. remains of
Oncorhynchus tshawytscha.

FAO:sjh

MF

Koto, H. & 59-9736
 T. Fujii (1958)
Bull.Fac.Fish.Hokkaido, 9:149-70
 Structure of the waters in the
 Bering Sea and the Aleutian Region

On the basis of data obtained by the
 CSHORO MARU in 1956 & the KOMAHASHI
 in 1936, descriptions & considerations
 have been given to the current
 systems & the structure of waters
 in the Bering Sea & the Aleutian
 Region.

FAO:ht

M

McKinley, W.R., D.C. Brooks 59-9734
 R.E. Westley (1959)
Fish.Res.Pap.Wash.Dep.Fish., 2(2):84-7
 Measurements of water transport through
 Swinomish Slough, Washington

Analysis of observations of tidal
 levels.

FAO:sjh

MF

Oishi, K. (1958) 59-9737
Bull.Fac.Fish.Hokkaido, 9:171-85
 (Quality of flatfish from Hakodate -
 I. Flatfish from Hakodate - from the
 viewpoint of study of merchandise,
 not from the biology). Ni En

Incl. list of common & scientific
 names of 15 spp. sold in this whole-
 sale market; fishing grounds &
 methods of capture are tabulated;
 spawning seasons; edible portions.

FAO:sjh

M

Ellis, C.H. & 59-9735
 R.E. Noble (1959)
Fish.Res.Pap.Wash.Dep.Fish., 2(2):88-99
 Calculated minimum contributions of
 Washington's hatchery releases to the
 catch of salmon on the Pacific coast
 and the costs assessable to hatchery
 operations

Study of 10 years returns of marked
 chinook, silver, pink, & chum salmon
 as basis for costing of entire process;
 shows profitable cost to catch value
 ratio for the State of 1-2.5.

FAO:sjh

MF

Oishi, K. (1958) 59-9738
Bull.Fac.Fish.Hokkaido, 9:186-206
 (Quality of flatfish from Hakodate -
 II. Evaluation of the quality).
Ni En

Co 59-9737; ratios of market price
 for 15 spp.

FAO:sjh

M

Hatano, M. (1958) 59-9739
Bull.Fac.Fish.Hokkaido, 9:207-14
(Lipids from the liver of Octopus
dofleini - I. Composition of fatty
acids of acetone-soluble lipid).
Ni En

FAO:x

Tanikawa, E., T. Wakasa 59-9742
& Y. Nagasawa (1958)
Bull.Fac.Fish.Hokkaido, 9:227-57
Studies on the muscle meat of
Paralithodes camtschatica (Til.) - I.

FAO:x

Hatano, M. (1958) 59-9740
Bull.Fac.Fish.Hokkaido, 9:215-7
(Lipids from the liver of Octopus
dofleini - II. On the lower fatty acids
of acetone-soluble lipid). Ni En

FAO:x

Romania. Ministerul Industriei 59-9743
Bunurilor de Consum. Departamentul
Industriei Alimentare (1959)
Bul.Inst.Cerc.piscic., 18(1):91 p.

Contains 59-9744 & 59-9811 to 59-9820.
& incl. a list of foreign serial
publications received at the library
of the institute.

FiB:sjh

MF

Shibata, T. (1958) 59-9741
Bull.Fac.Fish.Hokkaido, 9:218-25
(Enzymatic studies on the muscle of
aquatic animals - I. On the properties
of carp muscle aldolase). Ni En

FAO:x

Mălăcea, I. (1959) 59-9744
Bul.Inst.Cerc.piscic., 18(1):5-9
Măsurî in vederea sporirii fondului
de crap in regiunea inundabilă a
Dunării (Measures aimed at
improving the habitat for carp in the
flood plain of the Danube)

Editorial review.

FiB:sjh

F

Chile. Ministerio de 59-9745
Agricultura. Departamento de Fomento
de Pesca y Caza (1959)
Bol.inform.Chile, (67):15 p.

Contains main fisheries products
statistics of Chile by region & notes
on short popular articles on fisheries
development in that country &
elsewhere.

FiB:hr

MF

Borisov, P.G. (1958) 59-9748
Moskva, Pishchepromizdat, 284 p.
Opredelitel' promyslovykh ryb SSSR
(Determination of economic fishes of
the USSR)

Handbook giving glossary of anatomical
& other terms & a fully ill. list of
fishes giving common names & notes on
size, distribution, etc.

FAO:glk

MF

Laws, R.M. (1959) 59-9746
Norsk Hvalfangsttid., 48:425-52
Accelerated growth in seals, with
special reference to the Phocidae.
No

A study of interdependence between
sexual & physical maturity using the
method of ageing by examination of
teeth growth areas. Affinities
between the pinniped families & sub-
families, size at birth & final size,
postnatal growth rates, sexual precocity,
secondary acceleration in the males of
polygynous spp., accelerated growth &
longevity are considered.

FAO:hr

M

Artüz, M.I. (1959) 59-9749
Balık Balıkçılık, 7(11):7-9
Trawl balıkçılığı. Kısım II (Trawl
fishing. Part II.)

Popular notes on management of trawl
fishery with reference to the Sea of
Marmara.

SJH:efa

M

Anonymous (1959) 59-9747
Norsk Hvalfangsttid., 48:452-76
Whaling operations in the Antarctic,
season 1958/59. No

A statistical survey of operations
covering regulative provisions, catch
material, whaling period, catch
results, oil yield, average size of
captures, sexual maturity, & ratios of
spp.

FAO:hr

M

Sezen, T. (1959) 59-9750
Balık Balıkçılık, 7(11):22-4
Ege denizinde süngercilik araştırmaları
(Sponge fishing on the Aegean coasts)

A brief popular account of an
exploratory sponge-fishing cruise in
S. Turkish coasts.

SJH:efa

M

Taneri, B. (1959) 59-9751
Balık Balıkçılık, 7(11):5-7
Araştırma ve idare (Management and
research)

Discusses the necessity of research &
suggests possibilities for the
administrators to acquire technical
knowledge.

SJH:kt

G

Artüz, M.I. (1959) 59-9754
Balık Balıkçılık, 7(9-10):25-9
Trawl balıkçılığı. Kısım I (Trawl
fishing. Part I.)

Popular notes on management of trawl
fishery with reference to the Sea of
Marmara.

SJH:fa

M

Aytekin, H. (1959) 59-9752
Balık Balıkçılık, 7(9-10):2-5
Istanbul Balıkçılık Müdürlüğü vazifeye
başlarken (Istanbul Fisheries
Directorate begins to operate)

Describes the purpose of establishment
of & objectives aimed by the Directorate

SJH:ha

M

Bonham, K. (1958) 59-9755
Seattle, Appl.Fish.Lab.Univ.Wash.,
UWFL-53:52 p.
Radioactivity of invertebrates and
other organisms at Eniwetok atoll
during 1954-55

Trends of beta activity after nuclear
detonations in beach sand, sea water,
plankton, reef fish & benthic animals
from 1954 to 1956.

FiB:tl

M

Üner, S. (1959) 59-9753
Balık Balıkçılık, 7(9-10):16-9
İstavrit (On horse mackerels,
Trachurus trachurus)

Popular notes on the biology of
Trachurus trachurus & T. mediterraneus
with notes on fishing methods.

SJH:efa

M

Lowman, F.G. (1958) 59-9756
Seattle, Appl.Fish.Lab.Univ.Wash.,
UWFL-54:34 p.
Radioactivity in plankton near the
Marshall Islands, 1956

Analysis of the radioactive elements
in the plankton, using radiochemical
separation methods (ion exchange &
precipitation techniques).

FiB:tl

M

Welander, A.D. (1958) 59-9757
Seattle, Appl.Fish.Lab.Univ.Wash.,
UWFL-55:30 p.
 Radiobiological studies of the fish
 collected at Rongelap and Ailinginae
 atolls, July 1957

Results of radiobiological analysis
 of reef fishes. Analysis of gross beta
 activity & gamma spectra analysis of
 various organs & tissues.

FiB:tl

M

Davies, D.H. (1957) 59-9760
Invest.Rep.Div.Fish.S.Afr., (32):11 p.
The biology of the South African
pilchard

A review of the general organization &
 background of the research into the
 biology, bionomics & environment of
 the spp. drafted with a view of
 presenting the investigational findings
 as an integrated whole.

GLK:hr

M

Seymour, A.H. et al. (1957) 59-9758
Seattle, Appl.Fish.Lab.Univ.Wash.,
UWFL-47:57 p.
 Survey of radioactivity in the sea and
 in pelagic marine life west of the
 Marshall Islands, September 1-20, 1956

Contents as per title.

FiB tl

M

Ellis, R. (1958) 59-9761
Bull.int.oceanogr.Fdn., 4(2):81-7
Of ships and herring runs

BA 33A(1):13. History & accomplishments
 of the Aberdeen Laboratory of the
 Fishery Research Board for Scotland.

GLK

M

Davies, D.H. (1958) 59-9759
Invest.Rep.Div.Fish.S.Afr., (33):20 p.
The South African pilchard (Sardinops
ocellata) - Preliminary report on the
age composition of the commercial
catches, 1950-55

A further paper in a series dealing
 with the general biology of the spp.
 A brief description of the method for
 the reading of the scales is given
 followed by considerations on type,
 formation & incidence of rings & their
 significance in relation to age .
 Sections on age composition of the
 catches & rate of growth follow.

GLK:hr

M

Haggquist, G. & 59-9762
 G. Hevesy (1958)
Acta radiol., 49(4):321-5
The combined effect of heavy water and
roentgen irradiation on the animal
organism

BA 33A(1):411. Account of experiments
 on irradiation of Hypheosobrycon
scholzei in 25% heavy water & tap
 water.

GLK

F

Wilber, C.G. (1958) 59-9763
Amer.J.Physiol., 194(3):488-90
Chromatic responses of Fundulus to
lysergic acid

BA 33A(1):450. Lysergic acid
diethylamide (LSD) was administered
to Fundulus heteroclitus by injection
& by immersion. In all experiments
light-adapted fish became darker: the
concentrated melanophores were
dispersed. A few behavioral changes
in the fish were observed.

:ba

L

Davis, H.C. (1957) 59-9766
Rep.Amer.malac.Un., 1957:6
Some effects of lowered salinities on
propagation and early development of
clams and oysters

BA 33A(1):549. The optimum salinities
for development of eggs & for growth
of larvae of Venus mercenaria &
Crassostrea virginica, are reported.

:ba

M

Kurihara, Y. (1958) 59-9764
Sci.Rep.Tohoku Univ., (biol.), 24(1):
15-21

Synecological analysis of the biotic
community in microcosm. III. Studies
on the relations of diptera larvae
to protozoa in the containers made
of bamboos of different ages

BA 33A(1):482. Relationship between
protozoa & diptera larvae found in
various waters in bamboo containers
was examined. Appearance of diptera
larvae was characteristic & closely
related to protozoan association.

:ba

F

Mousinho Figueiredo, J. (1957) 59-9767
Rev.Cienc.Vet., 52(361):112-33
Los grandes cetáceos y su industria
(The large whales and the whaling
industry)

BA 33A(1):557. Whales of various kinds
& whaling are discussed from the
standpoints of practical zoology,
external anatomy, reproduction, growth,
means of capture & edibility of meat.

:ba

M

Beck, W.M., Jr. (1958) 59-9765
Quart.J.Fla Acad.Sci., 21(1):12-24
A study of the interrelations of
selected chemical and physical factors
in the Suwannee River

BA 33A(1):539. A study of the
correlations, positive & negative,
between chemical & physical factors.
Source of correlations lies in the
mixing of 2 chemically distinct water
masses.

:ba

F

Wallen, I.E., W.C. Green & 59-9768
R. Lasater (1957)
Sewage industr.Wastes, 29(6):695-711
Toxicity to Gambusia affinis of certain
pure chemicals in turbid waters

BA 33A(1):562. Account of studies made
of the short term toxicity of 86
chemicals encountered in refinery
wastes on livebearing of this sp.

:ba

F

Anonymous (1959) 59-9769
Mondo d.Natura, (7):214-5
Aragosta (Lobster)

Article on Palinurus consisting of
synopsis of P. vulgaris, P. mauritanicus,
P. regius. Morphological & anatomical
characteristics, biological cycle,
classification & diffusion, ecology,
relation to men.

HR:hr

M

Hill, D.R. (1959) 59-9772
Fish.Bull., U.S., 59:269-86
Some uses of statistical analysis in
classifying races of American shad
(Alosa sapidissima)

Application of discriminant function
analysis to data on meristic features
for examination of a theory of races of
this sp.

WAD:glk

MF

Anonymous (1959) 59-9770
Mondo d.Natura, (7):223-4
Archianellidi (Archianellida)

Article on Archianellida consisting of
synopsis of Polygordius neapolitanus,
Troglochaetes beraneekii, Dinophilus
apatris. Morphological & anatomical
characteristics, biological cycle,
ecology, classification & diffusion.

HR:hr

M

Chile. Ministerio de 59-9773
Agricultura. Departamento de Fomento
de Pesca y Caza (1959)
Bol.inform.Chile, (66):12 p.

Contains main fisheries products
statistics of Chile by region & notes
on short popular articles on fisheries
development in that country &
elsewhere.

FiB:hr

MF

Keefe, A.M. (1959) 59-9771
Turtos News, 37:196-8
Bryozoa in aquaria

Describes the occurrence of (presumably)
Plumatella repens in tropical fish
aquarium, its relationship with rotifer
colonies (possibly Megalotrocha), &
suggests that both the bryozoa &
rotifers may be useful scavengers.

GLK:wad

F

Bradbury, S. (1958) 59-9774
Thesis, Univ. of Oxford, U.K., 11:24 p.
A morphological and histochemical study
of connective tissue in leeches

F

Tugendhat, B. (1959) 59-9775
Thesis, Univ. of Oxford, U.K., 11:24 p.
Studies of the effects of thwarting in
sticklebacks.

F

Gery, J. (1959) 59-9778
Senckenbergiana biol., 40(3/4):127-33
Thayeria ifati n. sp. of Guiana, with
considerations on the evolution of the
genus

Taxonomic, biometric study of the
tetragonopterine fish from Maroni basin,
on border of Surinam & Fr. Guiana.
Notes on coloration & behaviour in
aquarium.

GLK:sjh

F

Reinhold, D. (1959) 59-9776
Penn. Angler, 28(9):8-12
Fish for fun

A popular account of the history &
results of the "Hazzard Plan" (sport
fishing for trout which must be
released & not killed) on a Pennsylvania
stream.

FiB:wad

F

Leffler, R.L. (1959) 59-9779
Ore. St. Game Bull., 14(10):3, 6-7
The program of the U.S. Fish and
Wildlife Service for the anadromous
fishes of the Columbia River

Popular article on the subject.

FiB:wad

MF

Gunston, D. (1959) 59-9777
Penn. Angler, 28(9):17-8
The reproduction of fish.

A popular account.

FiB:wad

MF

Fisher, C.K. (1959) 59-9780
Adm. Rep. Inl. Fish. Calif., 59(11):9 p.
The 1953-54 winter steelhead fishery on
the Gualala River, Mendocino/Sonoma
counties

Describes a creel census for Salmo g.
gairdnerii taken on a small north
coastal California stream & recommends
management practises.

WAD:wad

MF

LaFaunce, D.A. (1959) 59-9781
Adm.Rep.Inl.Fish.Calif., 59(8):9 p.
The food of fingerling largemouth bass
(Micropterus salmoides) in Clear Lake
Lake County, during August, 1958

The 4th in a series of reports on
the subject. (California)

WAD:wad

F

Booloottian, R.A. et al. (1959) 59-9784
Physiol.Zoöl., 32:213-20
Reproductive cycle of five West Coast
crabs

Cycles, egg development, sizes at
maturity, nesting, parasites of
Pachygrapsus, Hemigrapsus, Pugettia,
Emerita & Petrolisthes in California.

FAO:sjh

M

Tharratt, R.C. (1959) 59-9782
Adm.Rep.Inl.Fish.Calif., 59(9):9 p.
Status of the eastern brook trout in
California

A review with specific reference to
the question of overpopulation of
Salvelinus fontinalis in back-country
lakes & the advisability of increasing
the bag limit.

WAD:wad

F

Cade, T.J. & 59-9785
G.A. Bartholomew (1959)
Physiol.Zoöl., 32:230-8
Sea-water and salt utilization by
savannah sparrows

Describes field & laboratory
observations in California relating
to osmo-regulation of Passerculus spp.
which can drink sea water.

FAO:sjh

M

Evins, D. (1959) 59-9783
Adm.Rep.Inl.Fish.Calif., 59(10):2 p.
Further experiments on fingerling
returns from pond-reared sac fry

A second report on experiments to test
the feasibility of introducing Salmo
gairdnerii sac fry directly from
incubator trays into raceway-type ponds

WAD:wad

MF

Doyle, W.L., R. Rappaport 59-9786
& M.E. Doyle (1959)
Physiol.Zoöl., 32:246-55
Formation and distribution of esterase
in gammarids

Assay of eggs & young of Marinogammarus
obtusatus from specimens taken summers,
1955-58 in Fucus & Ascophyllum
intertidal zones of Maine coast. Incl.
59-9787.

FAO:sjh

M

Doyle, M.E. (1959) 59-9787
Physiol.Zoöl., 32:252-5
Morphogenesis of Marinogammarus spp.

Appendix to 59-9786.

FAO:sjh

M

Freeman, B.O. (1959) 59-9790
Miss.Game Fish., 21(1):5, 8-9
Moon Lake management

Population study of fish in this Mississippi L. by poisoning & by hoop netting samples. Age & growth of white crappie. Management by rough fish removal.

FAO:sjh

F

Wood-Gush, D.G.M. (1959) 59-9788
Physiol.Zoöl., 32:272-83
Time-lapse photography: a technique for studying diurnal rhythms

Describes technique & method of analysing results, (& their application to study of bird behaviour).

FAO:sjh

G

Fukui, R. & 59-9791
W.W. Meinke (1959)
Nature, Lond., 184, Suppl.(11):815-6
Some activation analyses of six trace elements in marine biological ashes

Describes analyses for V, As, Mo, W, Re & Au in Ulva, Porphyra, Tapes japonica, Pandalus & Pneumatophorus japonicus all from Japan.

GLK:wad

M

McCleary R.A. & 59-9789
J.J. Bernstein (1959)
Physiol.Zoöl., 32:284-92
A unique method for control of brightness cues in study of color vision in fish

El. & describes apparatus tested to determine red-green discrimination of Carassius auratus. Method involves restraining movement of fish in aquarium, conditioning it by electric shock & arranging for stimulus suddenly to be presented to animal, & a recording response by EKG records from electrodes buried in visceral cavity of fish.

FAO:sjh

FG

Jubb, R.A. (1959) 59-9792
Nature, Lond., 184, Suppl.(11):827-8
Eels in Southern Africa

Notes on distribution, life-history of Anguilla nebulosa labiata Peters & A. mossambica Peters, the widely distributed A. marmorata Quoy & Gaimard, & A. bicolor bicolor McClelland, & the rare A. obscura Gunther.

GLK:wad

MF

Nagabhushanam, A.K. (1959) 59-9793
Nature, Lond., 184, Suppl.(11):829
Feeding of ctenophore, *Bolinopsis*
infundibulum (O. F. Müller)

Describes feeding habits on copepods
as observed in aquaria.

GLK:wad

M

Eales, N.B. (1959) 59-9796
Nature, Lond., 184:573-4
The invertebrates: smaller coelomate
groups - Chaetognatha, Hemichordata,
Pogonophora, Phoronida, Ectoprocta,
Brachipoda, Sipunculida. The coelomate
Bilateria

Re 59-6618.

GLK:

MF

Womersley, H.B.S. & 59-9794
R.E. Norris (1959)
Nature, Lond., 184, Suppl. (11):828-9
A free-floating marine red alga

Describes what authors believe to be a
unique case of a free floating
rhodophyte (perhaps *Antithamnion*) off
Victoria, Australia in 1959.

GLK:wad

M

Hale, L.J. (1958) 59-9797
London, Methuen & Co., Ltd., 132 p.
Biological laboratory data

G

Belser, W.L. (1959) 59-9795
Proc.nat.Acad.Sci., U.S., 45:1533-42
Bioassay of organic micronutrients in
the sea

Short general account of literature on
activities; bioassay of water samples
collected off Costa Rica, Mexico &
California 1956-58, using ultraviolet
light-induced mutants of the gram-
negative coccobacillus *Serratia*
marinorubra as test organism.

FAO:sjh

M

McLean, R.C. (1959) 59-9798
Nature, Lond., 184:577
Biological laboratory data

Re 59-9797.

G

Went, A.E.J. (1959) 59-9799
Nature, Lond., 184:577
The salmon

Re 59-4991.

MF

Vives, F., P. Suau 59-9802
& A. Planas (1959)
Invest.pesq., 14:3-23

Sobre la biología de la cinta (*Cepola rubescens* L.) (On the biology of *Cepola rubescens* L.). En

A study based chiefly on commercial catches along the Eastern Mediterranean coast of size & weight, age, sex, feeding, spawning & fat deposition.

FiB:hr

M

Barnes, H. & 59-9800
M. Barnes (1959)
Experientia, 155:438-9
Oscillatory respiration in *Balanus amphitrite* Darwin

O₂ - uptake under experimental non-marine, but slightly saline, conditions of specimens from "Salton Sea", S. California.

FAO:sjh

MF

Fraga, F. (1959) 59-9803
Invest.pesq., 14:25-32

Relación entre peso, talla y composición química en el mejillón (*Mytilus edulis*) de la ría de Vigo (Weight, size & chemical composition relationships of the edible mussel *Mytilus edulis* of the ría of Vigo). En

Calculations of the relationships using 2 types of equations.

FiB:hr

M

Verheijen, F.J. (1959) 59-9801
Experientia, 155:443-4
A peculiar nystagmus and a corresponding foveal structure in the eye of the herring (*Clupea harengus* L.)

Describes & ill. this peculiar eye-movement of fish in aquaria; also observed in actively turning *Palinurus vulgaris* & *Carcinus maenas*.

FAO:sjh

M

Massutí, M. (1959) 59-9804
Invest.pesq., 14:23-52

Estudio del crecimiento relativo de (*Parapenaeus longirrostris* Lucas) del Golfo de Cádiz, Marruecos y Africa Occidental francesa (Studies of relative growth of *Parapenaeus longirrostris* Lucas of the Gulf of Cadiz, Morocco & French West Africa). En

The equation $y = b \cdot x^k$ is used for the calculations of the relative growth of the sp.

FiB:hr

M

Massuti, M. (1959) 59-9805
Invest.pesq., 14:53-63
 Estudio de los taliáceos del plancton de Castellón durante el año 1954 (Study of Thaliacea of the plankton of Castellón during 1954). En

Thalia democratica, Salpa fusiformis & Doliolum sp. are identified. Length variation & frequency & 2 yearly generations are recorded. Alternation in form in Thalia democratica observed.

FiB:sjh

M

Fraga, F. (1959) 59-9808
Invest.pesq., 14:121-7
 Determinación de nitrógeno orgánico suspendido y disuelto en el agua del mar (Determination of organic nitrogen suspended and dissolved in sea water). En

An improvement of the Kjeldahl method is described. No special device is required & the time spent for every determination is about 2 hours. Several analysis can be carried together.

FiB:hr

M

Bas Peired, C. (1959) 59-9806
Invest.pesq., 14:65-113
 Consideraciones acerca del crecimiento de la caballa (Scomber scombrus L.) en el Mediterráneo español (Considerations on growth of mackerel Scomber scombrus L. in the Spanish Mediterranean)

A study of growth variations & their relation with physiological & environmental factors.

FiB:sjh

M

Voss, G.L. & D.S. Erdman (1959) 59-9809
Nautilus, July 1959, p. 23-5
Thysanoteuthis rhombus, large cephalopod new to the Western Atlantic

Notes on & general description of, with measurements, a squid found in stomach of a blue marlin caught Nov. 1958 off Puerto Rico. (Issued as: Contr.Mar.Lab.Univ.Miami, (222), 1959).

FAO:sjh

M

Rodríguez-Roda, J. (1959) 59-9807
Invest.pesq., 14:115-9
 Aparición en la costa sudatlántica española de atunes marcados en Noruega (Occurrence on the Spanish south Atlantic coast of tunas marked in Norway). En

Three Thunnus thynnus marked in Bergen in September 1958 were caught in Sancti-Petri & Barbate in June/July 1959.

FiB:hr

M

Smith, J.L.B. (1959) 59-9810
Ichthyol.Bull., (16):265-82
 The identity of Scarus gibbus Ruppell, 1828 and of other parrotfishes of the family Callyodontidae from the Red Sea and the Western Indian Ocean

Description of spp. of Scarus, Xanodon, Callyodon, Cetoscarus, Bolbometopon, Chlorurus, Hipposcarus, Margaritodon & Ypsiscarus. Colored ill., distribution notes.

FAO:sjh

M

Buşniţă, Th. & 59-9811

A. Cristian (1959)

Bul.Inst.Cerc.piscic., 18(1):11-32

Biologia şi creşterea carasului argin argintiu (Carassius auratus gibelio (Bloch)) in iazuri şi eleşteele de crap (The biology & culture of

goldfish, Carassius auratus gibelio

Bloch, in carp ponds). Fr Ru

Diet, habitat requirements, culture in Romania & elsewhere in Europe; mixed culture recommended in ponds & isolated lakes, without artificial feeding. Necessity of maintaining sufficient members of male carp or goldfish.

FiB:sjh

F

Leonte, V. (1959)

59-9812

Bul.Inst.Cerc.piscic., 18(1):33-42

Cercetări in Delta Dunării şi Razelm privind reproducerea crapului,

şalăului şi plăticii in anul 1958

(Research in Danube Delta & Lake Razelm on the reproduction of carp pike-perch & bream in 1958).

Fr Ru

Conditions, periods & results of reproduction. Growth of carp fry is satisfactory but many are lost through access canals of lakes. Proposes measures for protection of spawners & restocking.

FiB:sjh

F

Costea, E. (1959)

59-9813

Bul.Inst.Cerc.piscic., 18(1):43-58

Pepiniera piscicolă Frăsinet (Raionul Lehliu - Regiunea Bucureşti)

(Frăsinet fishcultural nursery, Lehliu Department, Bucarest region).

Fr Ru

Describes station which began work in 1956 & supplies carps for pond stocking in the Mostiştea Valley. Spawners procured & their offspring had infectious dropsy; crosses of Siut-Ghiol carp & Lausitz carp are less susceptible.

FiB:sjh

F

Caloianu-Iordăchel, M.(1959) 59-9814

Bul.Inst.Cerc.piscic., 18(1):59-65

Creşterea puietului diferitelor specii de sturioni in funcţie de caracteristicile lor ecologice (Rearing of fry of various species of sturgeons in terms and their ecological characteristics).

Fr Ru

Post-embryonic development, especially of alimentary trait, & feeding in the 1st days after hatching are important in culture of Huso & Acipenser spp.

Form & position of yolk-sac, development of mouth & stomach,

59-9814

(Card 2)

reactions to light are described.

FiB:sjh

F

Popescu, E. (1959)

59-9816

Bul.Inst.Cerc.piscic., 18(1):66-74

Cercetări asupra metodelor de determinare cantitativă a planctonului (Research on the methods for quantitative determination of plankton). Fr Ru

Comparative studies of methods based on collection with cylindrical nets, or fish volumes of water; of preservation - in formation or solution of KI in I - of sedimentation - by settling or by centrifuge - & of methods of determining biomass gravimetrically,

59-9816
(Card 2)
numerically or volumetrically.
Author considers counting method,
combined with mean weight
determinations, to be the best.

FiB:sjh

FG

Zane, E. (1959) 59-9820
Bul.Inst.Cerc.piscic., 18(1):84-8
Folosirea izotopilor radioactivi in
hidrobiologie și piscicultura
(Uses of radioactive isotopes in
hydrobiology and fishculture)

Annotated list of 23 Soviet
publications on this subject, 1954-
58.

FiB:sjh

MF

Pircălăboiu, S. (1959) 59-9818
Bul.Inst.Cerc.piscic., 18(1):75-81
Considerații asupra pescuitului cu
talianele la litoralul Romînesc al
Mării Negre in anul 1958
(Consideration of the fishery with
"talianele" - large fixed nets - off
the Romania Black Sea coast in 1958).
Fr Ru

Catches of Sprattus sprattus
phalericus, Engraulis encrassicholus
ponticus & Trachurus mediterraneus
ponticus. Proposes extension of method
to other as yet unexploited areas.
FiB:sjh M

Groba, E. (1959) 59-9821
Acta hydrophys., 5:163-92
Geologische Unterwasserkartierung im
Litoral der deutschen Ostseeküste
(Ecologic submarine mapping in the
littoral of the German Baltic coast)
Description of the submarine
topography & sediment formation, as
observed by skin divers.

FiB:tl

M

Rădulescu, I. & 59-9819
N. Vasiliu-Suceveanu (1959)
Bul.Inst.Cerc.piscic., 18(1):82-3
Nota asupra unei infestări cu
trematodul monogen Heteronchocleidus
buschkieli Bihovski la Macropodus
opercularis (Note on an infestation
by the monogenic trematode
Heteronchocleidus buschkieli Bihovski
in Macropodus opercularis). Fr Ru

Ill. note cites a case in which death
of the fish was caused.

FiB:sjh

F

Schellenberger, G. (1959) 59-9822
Acta hydrophys., 5:201-12
Lösung der eindimensionalen
Wärmeleitungsgleichung mit
willkürlicher Wärmequellenverteilung
(Solution of one-dimensional heat
conductivity equation with arbitrary
heat source distribution)

Soluti n of a heat conductivity
equation for general initial- &
boundary conditions by Laplace-
transformation.

FiB:tl

G

Hardy, A., C.E. Lucas 59-9823
& K.M. Rae (1959)
Bull.Mar.Ecol., 4(Nov.):13 p.

This issue completes volume 4; lists contents of volume N°s 25-38, published over period 1953-1957; lists personnel of Oceanographic Laboratory, Edinburgh, 1951-59; contains 59-9824.

FiB:sjh

I

Eagleson, P.S., R.G. Dean 59-9826
& L.A. Peralta (1958)
Tech.Memor.U.S.Army Eros.Bd., (104):
The mechanics of the motion of discrete spherical bottom sediment particles due to shoaling waves

M

Henderson, G.T.D. (1959) 59-9824
Bull.Mar.Ecol., 4(Nov.):6-13
Explanation - A non-technical account of the contents of volume IV

Brief summaries of Bulletins 25-38, recent ones of which are 570705, 571357, 571320, 571301, & BO 3671 & BO 3717.

FiB:sjh

M

Hall, M.A. (1958) 59-9827
Tech.Memor.U.S.Army Eros.Bd., (106):
Laboratory study of breaking wave forces on piles

M

Wiegel, R.L. & 59-9825
A.L. Arnold (1957)
Tech.Memor.U.S.Army Eros.Bd., (103):
Model study of wave refraction

M

Rusnak, G.A. (1957) 59-9828
J.Geol., 65(4):384
The orientation of sand grains under conditions of "unidirectional" fluid flow - I. Theory and experiment

(issued as: Contr.Scripps Instn Oceanogr., 1957(914)).

M

Anonymous (1957) 59-9629
Bol.Inst.esp.Oceanogr., (83):1
Campanas del XAUEN en el Mediterráneo
español y en las costas noroeste y
cantábrica de Español, en el año 1951
(XAUEN cruise in the Spanish
Mediterranean and along the northwestern
and Cantabrian coast in 1951)

M

Anonymous (1959) 59-9832
Cah.océanogr., 11(1):54
Résultats d'observations
hydrologiques (Results of
hydrological observations)

M

Hanssen, G.L. (1958) 59-9830
J.Instn Navig., Los Angeles, 5(3):157
The U.S. Navy Hydrographic Office ship
routing program

M

Anonymous (1957) 59-9833
Bol.Inst.antarct.Argent., 1(2):21
El buque oceanográfico CAPITAN
CANEPA (The oceanographic
vessel CAPITAN CANEPA)

M

Larsen, N. (1957) 59-9831
Sci.Res.Brategg Exped., (3):
Pacific Antarctic waters

M

Lenoble, J. & 59-9834
S. Isacchi (1959)
Cah.océanogr., 11(3):170
Projet d'un modèle réduit pour les
études d'optique océanographique
(Project of a reduced model for
optical oceanographical studies)

M

Tchernia, P. (1959) 59-9835
Cah.océanogr., 11(3):148
Compte rendu succinct d'une campagne
d'observations hydrologiques exécutée
dans le Golfe de Cadix à bord du
DISCOVERY II en novembre 1958
(Brief report of a campaign of
hydrological observations carried out
in the Bay of Cadiz on board of the
DISCOVERY II in November 1958)

M

Anonymous (1958) 59-9838
Dock Harb.Author., 39(458):258
Self-contained Roberts current meter

M

Marshall, T., R.P. Suggate 59-9836
& D.S. Nicholson (1958)
N.Z.J.Geol.Geophys., (2):318
A borehole survey of ilemite-bearing
beach sands at Cape Foulwind, Westport

M

Windischbauer, H. (1958) 59-9839
Elektronik, 7(10):297
Entwicklung und Stand des
Unterwasserfernsehens (Development
and state of underwater television)
DK 621.397.9:626.02

MF

James, R.W. & 59-9837
G.L. Hanssen (1958)
Tech.Rep.U.S.Navy hydrogr.Off., (53):
Evaluation of the U.S. Navy hydrographic
Office ship routing program

M

Anonymous (1958) 59-9840
Hansa, 95(25-26):1259
Deutsche Unterwasser-Fernsehgeräte
(German underwater television
cameras)

MF

Doumenge, F. (1958) 59-9847
Bull.Ass.Géogr.franç., (276-77):7
Problèmes de la pêche en Méditerranée
occidentale (Fishery problems in
the western Mediterranean)

M

Jenkins, D.S. (1957) 59-9850
J.Amer.Wat.Wks Ass., 49(8):1007
Developments in saline water
conversion

M

Anonymous (1958) 59-9848
Bull.Navires sél., (19):3
Les cartes de l'état de la mer
(Sea condition charts)

M

Mascarenhas, D.A. (1958) 59-9851
J.Cambridge Univ.Engng Soc., 28:68
Tidal power and Rance project

M

Miesner, E. (1958) 59-9849
Elektrowelt, (6):
Die Ausnutzung der Gezeitenkraftwerken
(The utilization of tide power stations)

M

Manohar, M. (1958) 59-9852
J.Instn Engrs, India, 38(5):499
Some characteristics of wave
phenomena and their application to
coastline and harbour sites

M

Deharde, W. & 59-9841
K. Hausmann (1957)
Jber.Forschungss.Norderney, 1956:73
Elektronischer Zeitmarkengeber für
Schreibpegel (Electronic time
signal transmitter for water gauges)

M

Anderson, V.C. (1957) 59-9844
Rev.sci.Instrum., 28(7):504
Dielectric recorder

(issued as: Contr.Scripps Instr
Oceanogr., 1957(934)).

M

Jensen, K.W. (1958) 59-9842
Jeger og Fisker, (4):8 p.
Ørretbestander, avkastning, beskatning,
dødelighet (Trout populations,
productivity, economic yield and
mortality)

Short review of these problems in
various Norwegian waters.

SJH:tl

F

Schuh, R. (1958) 59-9845
Wasserwirtschaft, Stuttgart, 48(12)
315
Messgeräte für die Untersuchung und
Überwachung von Fluss- und
Abwasser (Measuring
instruments for investigations and
supervision of stream- and waste
water)

F

Carver, Ch.E., Jr. (1958) 59-9843
Tech.Rep.Woods Hole oceanogr.Instr,
(58-51):
The WHOI wave tower research facility

M

Powell, B.W. (1958) 59-9846
Weather, 13(11):364
Unmanned ocean weather stations

M

Brodskaa, A.K. (1959) 59-9853
Naturw.Rdsch., 12(2):52
Leben in der Tiefe des Polarbeckens
(Life in the depth of the Polar Basin)

M

Lisitzin, E. (1959) 59-9856
Cah.océanogr., 11(1):7
Les variations saisonnières du
niveau de la mer et de la densité
de l'eau en Méditerranée occidentale
(Seasonal variations of sea level
and water density in the western
Mediterranean)

M

Iribarren Cavanilles, R., 59-9854
Nogales y Olano, C. & P.Fernandez(1958)
Rev.Obr.públ., Madr., (2914):69
Onda de resaca en los puertos. Ensayos
de resonancia en modelos reducidos
(Surge waves in harbours. Resonance
tests with reduced models)

M

Eyries, M. (1959) 59-9857
Cah.océanogr., 11(2):85
Le niveau moyen de la mer
(The medium sea level)

M

Kirsch, M. (1958) 59-9855
Schiffbautech., (1):31
Die Berechnung der hydrodynamischen
Massen und der hydrodynamischen
Massenträgheitsmomente bei
Rollschwingungen nach Grim
(The computation of hydrodynamic masses
and hydrodynamic moments of inertia
at rolling vibrations according to
Grim)

M

Lacaze, J. (1959) 59-9858
Cah.océanogr., 11(3):158
Les microséismes d'origine
océanique (Microseisms from
oceanic origin)

M

Kuenen, Ph.H. (1958) 59-9859
Geol.Rdsch., 47(1):1
No geology without marine geology

M

Müller, G. (1958) 59-9862
Geol.Rdsch., 47(1):117
Die rezenten Sedimente im Golf von
Neapel (1): Die Sedimente des Golfes
von Pozzuoli (The recent
sediments in the Gulf of Naples
(1): The sediments of the Gulf of
Pozzuoli)

M

Gripp, K. (1958) 59-9860
Geol.Rdsch., 47(1):83
Rezente und fossile Flachmeer-Absätze
petrologisch betrachtet und gedeutet
(Recent and fossil flat sea sediments,
considered and explained from a
petrological point of view)

M

Shepard, F.P. (1958) 59-9863
Geol.Rdsch., 47(1):150
Sedimentation of the northwestern
Gulf of Mexico

M

Seibold, E. (1958) 59-9861
Geol.Rdsch., 47(1):100
Jahreslagen in Sedimenten der
mittleren Adria (Yearly layers in
sediments of the central Adriatic Sea)

M

Nota, D.J.G. (1958) 59-9864
Geol.Rdsch., 47(1):167
Sedimentation auf dem West-Guyana
Schelf

M

Abe, T. (1958)	8992	Bas Piered, C. (1959)	9806
Abercrombie, M. et al. (1957)	9211	Basrie, (1958)	8722
Adams, J.A. (1958)	8775	Bates, C.C. (1957)	9011 9013
Akita, Y. (1957)	9361	Batias, A. (1958)	9578
Alexander, E.C. (1958)	8776	Beall, H.B. & R.W. Wahl	
Alexander, J.E. (1957)	8777	(1959)	9721
Ali, M.A. (1958)	8747	Beck, W.M., Jr. (1958)	9765
Al-Saadi, A.M. (1959)	8855	Becking, G.M. Baas, J.M.	
Altman, R.W. (1959)	8831	Thomson & E.J.F. Wood (1959)	
American Fisheries			9325
Society (1959)	9394 9418	Becking, L.G.M. Baas (1959)	9327
Aminuddin, M. (1957)	8715	Beer, S. (1959)	9497
Anadón, E. (1957)	8960	Behle, W.H. (1958)	9513
Andersen, J.K. (1959)	9414	Belsare, D.K. (1959)	9685
Anderson, E.W. (1957)	9133	Belser, V.L. (1959)	9795
Anderson, R.O. (1959)	8767	Berkson, H. (1959)	9267
Anderson, V.C. (1957)	9844	Bernhardt, R. (1957)	8735
Anderson, W.W. (1958)	9310	Bernstein, J.J. (1957)	8862
Anderson, V.W. (1959)	9549	Bernstein, J.J. (1959)	8863 9789
Andrade, R.H. de A. &		Berry, F.H. (1959)	9524
G. Teixeira (1957)	9571	Berthois, L. (1957)	9370
Angeles, H. (1959)	9639	Bjorklund, R.G. (1958)	8864
Annan, M.E. (1958)	9389	Blair, A.A. (1958)	9891
Anthony, E.H. (1959)	9265	Blume, W. (1958)	9226
Ardiwinata, R.O. (1958)	8725	Bond, R.M. &	
Ardiwinata, R.O. (1959)	9669	J.C. Medcof (1958)	9690
Arnold, A.L. (1957)	9825	Bonham, K. (1958)	9755
Arrow, K.J. & S. Karlin		Bookhout, C.G. (1957)	9122
& H. Scarf (1958)	9502	Booleotian, R.A. (1958)	9482
Artüz, M.I. (1959)	9749 9754	Booleotian, R.A. et al.	
Aryono, (1957)	8721	(1959)	9784
Asnan, (1958)	8730	Borisov, P.G. (1958)	9748
Athearn, W.D. (1957)	9323	Bose, B. (1959)	9674
Atton, F.M. (1959)	9427	Poshu, C. (1957)	9375
Atz, J. (1959)	8856	Bossolasco, M. (1958)	8668 8994
Aytekin, H. (1959)	9752	Boström, O. (1958)	9286
Baccso, M. &		Bouligand, Y. & C. Delamare	
H. Dumitresco (1958)	9167	Deboutteville (1959)	9459
Bachop, W.E. (1958)	8756	Bourcart, J. (1959)	9233 9458
Backhouse, K.M.	9621	9461	
Backiel, T., et al. (1958)	9174	Bourrelly, P. (1958)	9165
Bailey, R.M. (1959)	9523 9534	Bousfield, E.L. (1957)	8699
Baker, W.D. (1957)	8757	Bradbury, S. (1958)	9774
Balasubrahmanyam, K. (1959)	9686	Branson, B. (1957)	8857
Bali, J.M. (1959)	8734	Brett, A.D. (1957)	8806
Balinskii, B.I. (1959)	9478	Bravo Hollis, M. &	
Bardach, J.E., H.E. Winn		R.R. Brenes M. (1958)	9241
& D.W. Menzel (1959)	9525	Brhmer, M. (1958)	8820
Barlow, G.W. (1958)	8887	Brenes M., R.R. (1958)	9238 9241
Barnard, J.L. (1958)	9466	Brett, J.R. (1957)	9114
Barnes, H. &		Brian, P.W. (1957)	9439
M. Barnes (1959)	9800	Briggs, J.C. &	
Barnes, H. &		F.H. Berry (1959)	9524
E.S. Reese (1959)	9618	Broad, A.C. (1957)	9125
Barnes, M. (1959)	9800	Brodskii, A.K. (1959)	9853
Barnett, G.A. (1958)	9231	Brooks, D.C. (1959)	9734
Bartholomew, G.A. (1959)	9785	Brown, E.E. (1958)	8988

Brown, J.L. (1958)	8961
Bruns, P.M. (1958)	8736
Bryson, R.A. & C.R. Stearns (1959)	9259
Buchholz, M.M. (1957)	8778
Budd, J.C. (1958)	9388
Budker, P. (1958)	9212
Bulkley, R.V. (1957)	8737
Bullock, G.L. (1959)	9712
Bunag, D.M. (1959)	9653
Burdecki, F. (1958)	9374
Burgner, R.L. (1958)	8876
Burkhanov, V.F. (Ed.) (1957)	9139
Burris, R.H. (1959)	9451
Burt, W.V. & L.D. Marriage (1957)	8686
Busnita, Th. & A. Christian (1959)	9811
Busnita, Th. & V. Enăceanu (1958)	9298
Buss, K. (1959)	9395
Butler, J.R. (1959)	8758
Caballero, E.C. & R.R. Brenes M. (1958)	9238
Caballero, E.C., M.C. Zerecero y D. & R.G. Grocott (1958)	9240
Cable, L. (1959)	8738
Cade, T.J. & G.A. Bartholomew (1959)	9785
Cadenat, J. (1959)	9630 9632
Caldwell, D.K. & W.W. Anderson (1959)	9549
California University. Scripps Institution of Oceanography (1959)	9220
Caloianu-Iordăchel, M. (1959)	9814
Cantino, E.C. & G.F. Turian (1959)	9700
Cao-Thien-Buu (1959)	9676
Carnes, W.O., Jr. (1958)	8779
Cartwright, D.E. (1957)	9352
Carvalho, J. de P. (1957)	9574
Carver, Ch.E., Jr. (1958)	9843
Caspers, H. (1958)	9166
Cavanah, H.S. (1959)	8888
Chalid, J.L. (1958)	8731
Chance, B. (1958)	9447
Chapman, D.W. (1957)	8739
Chappuis, P.A. (1959)	9625
Charniax-Cottom, H. (1959)	8925
Cheng-Yi, F. (1959)	9688
Chew, K.K. & R. Eisler (1958)	9227
Chiarini, L. (1958)	9564
Chile, Ministerio de Agricultura. Departamento de Fomento de Pesca y Caza (1959)	9745 9773

Chipman, R.K. (1958)	8858
Chirila, V. (1958)	9295
Christenson, L.M. (1957)	8877
Chur, S.P. (1959)	9717
Clark, J.R. (1959)	9431
Clark, W.J. (1958)	8823
Clemens, H.P. (1959)	9713
Clendenning, K.A. (1957)	9437
Clifton, C.E., S. Raffel & M.P. Starr (Ed.) (1959)	9698
Clothier, W.D. (1959)	9422
Coching, C. (1959)	9689
Cohen, D.M. (1957)	8889
Cole, C.F. (1957)	8890
Collander, R. (1957)	9438
Collins, A.C. (1958)	9274
Collins, R.A. & R.E. Smith (1959)	9548
Conover, N. (1958)	8780
Conover, R.J. (1959)	9261
Constantinescu, E. (1958)	9302
Cooper, E.L. & J.K. Andersen (1959)	9414
Correll, D.L. (1958)	8832
Corson, B.W. (1959)	9718
Costea, E. (1959)	9813
Costlow, J.D., Jr. & C.G. Bookhout (1957)	9122
Craddock, D.R. (1958)	9307
Crafts, A.S., L. Machlis & J.G. Torrey (1958)	9440
Craig, R.E. (1959)	9614
Cranco, J.H. (1958)	8750
Cristian, A. (1959)	9811
Crittenden, E. (1959)	9424
Crossman, E.J. (1958)	8878
Crowell, R.M. (1957)	8807
Cummings, K.W. (1957)	8761
Cummins, W.E. (1957)	9353
Curry-Lindahl, K. (1957)	9483
Daget, J. (1959)	9628
D'Ancona, U. (1958)	9171
Daneau, M. (1957)	8748
Dangeard, P. (1959)	9232
Davies, D.H. (1957)	9760
Davies, D.H. (1958)	9759
Davis, C.C. (1959)	9024 9269
Davis, H.C. (1957)	9766
Davis, P.S. (1959)	9329
Davis, W.J. (1958)	8833
Davison, V.E. (1959)	9671
Dawson, C.E. (1958)	9514
Dean, R.G. (1958)	9826
Deboutteville, C. Delamare (1959)	9459
Dechancé, M. & J.-P. Dufaure (1959)	8924

Deelder, C.L. & J.F. de Veen (1958)	9453	Emerson, R. (1958)	9442
Dcharde, W. & K. Hausmann (1957)	9841	Enăceanu, V. (1958)	9298
de Jesus, A. (1959)	9638	Erdman, D.S. (1959)	9809
Dence, W.A. (1958)	8672	Esguerra, R.S. (1959)	9640
de Paiva Carvalho, J. (1957)	9319	Estes, R.D. (1957)	8751
Dergunov, I.D. (1958)	9377	Ettinger, M.B. (1957)	8952
de Rouville, A. (1957)	9378	Evensen, J. (1959)	8916
Deslandes, N. (1957)	8707	Evins, D. (1959)	9783
de Sylva, D.P. (1958)	8781	Eyries, M. (1959)	9857
Deutsches Hydrographisches Institut (1958)	9223	Fage, L. (1959)	9457
de Veen, J.F. (1958)	9453	Fagerlund, U.H.M. & D.R. Idler (1959)	9692
de Zylva, E.R.A. (1959)	9657	Fagg, D.B. (1957)	9131
Dietsch, E.L. (1959)	8782	Farber, L. (1959)	9701
Dinsmore, R.P. (1958)	8665	Feodosie, B. (1958)	9303
Djajingsastro, A. (1959)	9670	Fergusson, G.J. (1957)	8673 9127
Dobie, J. (1959)	9432	Fernandez, P. (1958)	9854
Donn, W.L. (1958)	8670	Ferrando, H.J. (1957)	9573
Dorrestein, R. (1957)	9362	Ferrando, H.J. (1958)	9321
Dotu, Y. (1957)	8962	Fingerman, S.W. (1959)	8891
Doumenge, F. (1958)	9847	Firsoff, G.A. (1957)	9357
Doyle, M.E. (1959)	9786 9787	Fish, G.R. (1959)	9645 9677
Doyle, W.L., R. Rappaport & M.E. Doyle (1959)	9786	Fisher, C.K. (1959)	9780
Dreosti, G.M. & W. Wesemann (1958)	9118	Fogg, G.E. & J.D.A. Miller (1958)	9196
Droop, M.R. (1958)	9170	Folkes, B.F. (1958)	9444
Duckworth, W.E. & J.K. Wyatt (1958)	9499	FAO (1959)	8912 8913 8915
Dufaure, J.-P. (1959)	8924	FAO Fisheries Division. Biology Branch (1959)	9218 9675
Dumitresco, H. (1958)	9167	FAO Mediterranean Development Project (1959)	9045 to 9052
Dunbar, C.E. (1959)	9402 9712	Foster, D.I. (1957)	8802
Dvihally, Z.T. (1958)	9488	Formicone, L. (1958)	9564
Dzieduszycka, S. (1959)	9631	Foster, F.G. (1959)	9504
E.K. (1959)	9501	Fraga, F. (1959)	9803 9808
Eagleson, P.S., R.G. Dean & L.A. Peralta (1958)	9826	France. Service Hydrographique de la Marine (1958)	9519
Eales, N.B. (1959)	9796	Franklin, D.R. (1959)	8784 9408
Eddiwan, (1957)	8718	Fraser, R. (1957)	9135
Eddiwan (1959)	9665	Freeman, B.O. (1959)	9790
Eiseley, L. (1958)	9234	Frolander, H.F. (1957)	9040 9041
Eisler, R. (1957)	8783	Fry, F.E.J. & J.C. Budd (1958)	9388
Eisler, R. (1958)	9227 9228	Fryer, G. (1959)	9616
Eldred, B. (1958)	8697	Fryer, J. (1957)	8871
Elgmork, K. (1958)	9180	Fujii, T. (1958)	9736
Elling, C.H. & H.L. Raymond (1959)	9706	Fujimura, S. (1959)	9643
Elliott, A.M. (1959)	9699	Fujino, K. (1958)	9592
Ellis, C.H. & R.E. Noble (1959)	9735	Fujioka, H. (1958)	9491
Ellis, L.G. (Comp.) (1959)	9623	Fujita, S. (1957)	8963
Ellis, R. (1958)	9761	Fukai, R. (1959)	9649
Elmendorf, C.H. & B.C. Heezen (1957)	9368	Fukai, R. & W.W. Meinke (1959)	9791
Elser, H. (1958)	9216	Fukuoka, J. (1958)	8989
Elser, H.J. & R. Mausueti (1958)	9215	Fukushima, S. (1959)	9609
Elster, H.-J. (1958)	9206	Funk, P. (1958)	9373
El-Zarka, S. (1957)	8879	Gabo, M. & M. Prenant (1957)	8704
		Galligan, J.P. (1959)	9413

Gard, R. (1958)	8768
Garside, E.T. (1957)	8759
Gass, S.I. (1958)	9506
Gauch, H.G. (1957)	9434
George, R.W. (1958)	9104
Gerlach, S.A. (1958) 9251	9257
Gerloff, J. (1958)	9489
Gery, J. (1959)	9778
Cianotti, F.S. (1958) 9562	9565
Cianotti, F.S. (1959)	9561
Gibbs, R.H., Jr. (1959)	9542
Gibson, G.G. (1957)	8785
Gierloff-Emden, H.-G. (1959)	8694
Gieysztor, M., H. Klimowicz & A. Praszkiwicz (1958)	9203
Giganti, A. (1958)	9562
Giganti, A. (1959)	9561
Gold, H.S. (1957)	9119
Goldman, C. (1958)	8808
Gombosiu, V. (1958)	9305
Gordon, B.L. (1958)	8884
Gordon, W.G. (1957)	8786
Gosner, K.L. & D.A. Rossman (1959)	9555
Gosselin, R.G. (1958)	9516
Gould, S. (1959)	9505
Grabbe, E.M., S. Ramo & D.E. Wooldridge (Ed.)(1959)	9508
Green, J. (1959)	9622
Green, W.C. (1957)	9768
Greenwood, M.R. (1959)	9053
Greenwood, P.H. (1959)	9342
Greer, A.J. (1959)	8865
Grey, M. (1959)	9540
Griffe, J. (1958)	9585
Gripp, K. (1958)	9860
Groba, E. (1959)	9821
Grocott, R.G. (1958)	9240
Grøntved, Jul. (1958)	9313
Gross, R.W. (1959)	8787
Guilcher, A. & L. Berthois (1957)	9370
Gunasekera, C.E.St.C. & N.N. Silvea (1959)	9662
Gunston, D. (1959)	9777
Gunter, G. (1958)	9225
Gussey, A.G. (1958)	9149
Gvozdetiskii, L.A. (1957)	9138
Haggquist, G. & G. Hevesy (1958)	9762
Haig, J. (1957)	8700 9113
Halás, M. (1958) 9279 9285	9292
Hale, L.J. (1958)	9797
Haley, A.J. & H.E. Winn (1959)	9404
Hall, M.A. (1958)	9827
Halmø, K. (1958) 9290	9293
Hamada, Y. (1958)	9003

Hamer, P.E. (1959)	8740
Hamilton, J.D. (1958)	9181
Hannoka, T. (1957)	9358
Hanato, T. (1958)	8983
Hancock, C.D., Jr. & J.E. Sublette (1958)	8964
Handa, C. (1958)	9587
Hansler, D.D. (1958)	8892
Hanssen, G.L. (1958) 9830	9837
Hanzawa, M. (1958)	8676
Hardjohutomo, H. (1959)	9664
Hardy, A., C.E. Lucas & K.M. Rae (1959)	9823
Harnic, J.L. (1958)	8788
Harms, C.E. (1957)	8752
Harner, W.H. (1958)	8880
Harnisch, O. (1958) 9026 to	9034
Harris, B., A. Hauptschein & L.S. Schwarz (1958)	9044
Harrison, A.D. (1958)	9156
Hartmann, G. (1958)	9255
Hartman, C.F. (1959)	9529
Hartman, W.L. (1958)	8789
Hartmann-Schröder, G. (1958)	9256
Hasselmann, K. (1958)	9143
Hastings, J.W. (1959)	9702
Hatano, M. (1958) 9739	9740
Hauptman, A.W. (1958)	8809
Hauptschein, A. (1958)	9044
Hausmann, K. (1957)	9841
Havey, K.A. (1959)	9425
Hayama, K. (1957)	9343
Hayashi, S. (1959)	9648
Hayes, F.R. & M.A. MacAulay (1959)	9264
Hayes, F.R. & E.H. Anthony (1959)	9265
Heard, W.R. (1959)	8893
Hedlin, B., E. Julin & A. Pekkarinen (1957)	9490
Heen, E. (1958)	9311
Hoozen, B.C. (1957)	9368
Hela, I. (1958)	8674
Henderson, G.T.D. (1959)	9824
Henderson, J.C. (1958)	8824
Herman, S.S. (1958)	8760
Herring, J.L. (1957)	8958
Hewitt, G. (1958)	9762
Hewer, H.R. & K.M. Backhouse (1959)	9621
Hewitt, B.R. (1959)	9704
Hibiya, T. (1958) 9588	9589
Hickman, C.P., Jr. (1959)	9728
Hicks, S.D. (1959)	9266
Hidaka, K. (1958)	9012
Hidalgo Escalante, E. (1958)	9242
Hill, D.R. (1959)	9772

Hill, H.O. & E.W. Paget-Tomlinson (1958?)	9129	Iverson, E.S. & R.B. Manning (1959)	9405
Hirano, T. (1959)	9680	Jackson, D. (1957)	8825
Hirano, T. & C. Boshu (1957)	9375	Jackson, D.F. & W.A. Deuce (1958)	8672
Hirano, T. & K. Sugiura (1958)	9379	Jaffe, L.F. (1958)	9446
Hirao, S. & R. Kikuchi (1958)	9386	James, A.N. (1958)	8926
Hirata, H. (1959)	9637	James, R.W. & G.L. Hanssen (1958)	9837
Hobbs, H.H. & M. Walton (1959)	9467	Jannasch, H.W. (1958)	9202
Hodgkin, E.P. (1957)	8705	Jannasch, H.W. (1959)	9262
Hoese, H.D. (1959)	8810	Jao, C.-C. (1958)	9177
Hoestlandt, H. (1958)	9172	Japan. Association for Agriculture & Forestry (1958)	9105
Hoffman, G.L. (1958)	8928	Japan Meteorological Agency	9022
Hoffman, G.L. (1959)	9398	Japan Meteorological Agency. Oceanographical Section (1957)	9019
Hoffman, G.L. & J.B. Hoyme (1958)	8927	Japan Science Council. National Committee for the IGY (1958)	8667
Hoffman, L. (1958)	9484	Jayaraman, R. & P.D. Nayak (1959)	9658
Holcombe, R.M. (1957)	9004	Jenkins, D.S. (1957)	9850
Holly, K. (1958)	9445	Jenkins, R.L. (1959)	8733
Honma, Y. (1957)	8965 8966	Jensen, J.P. (1958)	9314 9315
Hornuff, L.E., Jr. (1957)	8811	Jensen, K.W. (1958)	9842
Horton, D.B. (1958)	8769	Jentoft, R.E. & R.J. Robinson (1957)	9042
Hoskin, C.M. (1957)	8812	Jeeu-Jang, J. & F. Cheng-Yi (1959)	9688
Hosokawa, H. & T. Sekino (1958)	9603	Jepson, P.W. & W.S. Platts (1959)	9426
Houser, A. (1957)	8749	Jhingran, V.G. (1957)	8709
Hovart, P. (1959)	9697	Jhingran, V.G. (1959)	9613
Hoyme, J.B. (1958)	8927	Johnson, A. (1959)	9576
Huet, M. (1958)	9153	Johnson, H.C. & V.E. Davison (1959)	9671
Huet, M. (1959)	9416	Johnson, T.W., Jr. (1957)	9120 9123
Hunn, J.B. (1957)	8834	Johnson, T.W., Jr. & H.E. Gold (1957)	9119
Hunter, W.S. & W.B. Vernberg (1957)	9124	Johnson, P.M. (1958)	9190
Huston, J.E. (1959)	8835	Jones, G.E. & H.W. Jannasch (1959)	9262
Hutchinson, J.A. (1957)	8836	Jönsson, J. (1957)	9365
Hutt, F.B. (1958)	9722	Joseph, E. (1957)	8894
Hutton, R.F. & B. Eldred (1958)	8697	Jubb, R.A. (1959)	9792
Hynes, H.B.N. (1958)	9187	Juget, J. (1958)	9577
Ichihara, T. (1958)	9591 9596	Juhl-Hoodt, H. (1958)	9250
Ichiyé, T. (1958)	8685	Juliano, R.O. (1957)	8866
Idler, D.R. (1959)	9692	Julin, E. (1957)	9490
Illies, J. (1958)	9188	Junge, C.E. & R.T. Werby (1958)	8683
Indo-Norwegian Project. Quilon-Cochin, Kerala (1959)	9522	Junge, C.O., Jr. (1959)	9729
IPFC (1959)	9633	Kallman, K.D. (1959)	8859
Inger, R.F. (1958)	9517	Kamiya, T. (1958)	9602
Ingles, L.G. (1958)	9245	Kamohara, T. (1957)	8967
Ingram, W.M. (1957)	8952	Kanna, K. (1959)	9682
ICMNF (1959)	8943 8944	Kapoor, B.G. (1957)	8968
IHB (1959)	9615		
Iribarren Cavanilles, R., Nogales y Olano, C. & P. Fernandez (1958)	9854		
Isaac, P.C.G. (1958)	9160		
Isacchi, S. (1959)	9834		
Ishikawa, K. (1957)	9354		
Istak, A. (1958)	8671		
Iushak, A.A. (1958)	8690		
Ivanoff, A. (1959)	8669		

Karamchandani, S.J. (1957)	8709	Krauss, R.W. (1958)	9443
Karlin, S. (1958)	9502	Krauss, W. (1958)	9142 9246
Karo, H.A. (1957)	8999	Kristjonsson, H. (1959)	9651
Karohji, K. (1959)	9604	Kröplin, K.F. (1958)	8993
Kartono, R.A. (1959)	9655	Kuchar, K.W. (1958)	8951
Katayama, M. (1957)	8969 8970	Kühl, H. (1957)	9344 9345
Katayama, T. (1957)	9481	Kuenen, Ph.H. (1958)	9859
Kato, H., S. Motora & K. Ishikawa (1957)	9354	Kumar, A.K. Gopi (1958)	8753
Kato, T. (1958)	8679	Kurasawa, H. (1957)	9486
Katz, M., A. Pritchard & C.E. Warren (1959)	9397	Kurihara, Y. (1958)	9764
Kawada, S. & C. Yoshimuta (1959)	9681	Kuroda, N. (1957)	8974
Kawamoto, N.Y., S. Fujimura & M. Tanizaki (1959)	9643	Kuronuma, K. & K. Nakamura (1959)	9636
Kawanabe, H. (1957)	9485	Kusunoki, K. (1958)	8675
Kawanabe, Y. (1958)	9014	Lacaze, J. (1959)	9858
Kay, E. (1959)	9507 9510	Ladd, E.C. (1958)	8896
Keefe, A.M. (1959)	9771	LaFaunce, D.A. (1959)	9781
Kelly, P.B. (1958)	8867	Lagerspetz, K. (1958)	9169
Kendle, E.R. (1958)	8813	Lambou, V.W. (1959)	9724
Kennedy, R.H. (1959)	8910 8914	Lamotte, M., J.-L. Perret & S. Dzieduszycka (1959)	9631
Kenya. Colony & Protectorate (1958)	9110	Lander, R.H. (1959)	9705 9708
Kersten, W. (1958)	9015	Lang, N.J. (1958)	8826
Keup, L.E. (1958)	8837	Larras, J. (1957)	9369
Kikuchi, R. (1958)	9386	Larsen, N. (1957)	9831
Kimura, S. (1959)	9672	Lasater, R. (1957)	9768
Kirsch, M. (1958)	9855	Lauff, G.H. (1959)	9270
Klavano, W.C. (1958)	8741	Laurent, P.J. (1958)	9154
Klimowicz, H. (1958)	9203	Laws, R.M. (1959)	9746
Knapp, L.W. (1958)	8895	Leamy, M.L. (1958)	9696
Knudsen, J.W. (1957)	8701	Lebedev, V.L. (1957)	9140 9229 9230
Kobayashi, S. & H. Hirata (1959)	9637	Le Cren, E.D. (1958)	9175
Kobayasi, H. (1957)	8971	Le Danois, Y. (1959)	9629
Kobayasi, H. & S. Moriyana (1957)	8973	Leedy, D.J. (1957)	8838
Kobayasi, H. & I. Yamabayashi (1957)	8972	Lefèvre, M. (1958)	9582
Kobe. Marine Observatory (1957)	8996 9023	Leffler, R.L. (1959)	9779
Kobe. Marine Observatory (1958)	8995 8997 9009	Leitão de Carvalho, A. (1959)	9527
Kolb, O. (1957)	9348	Leivestad, H. (1959)	9276
Korn, H. (1958)	9252	Lejuez, R. (1959)	9460
Korvin, B.V., Krokuovsky (1957)	9355	Lennon, R.E. & P.S. Parker (1959)	9709
Koshow, M.M. (1958)	9183	Lenoble, J. & S. Isacchi (1959)	9834
Koshtoyants, C.S. & J. Salanki (1958)	9470	Leonte, V. (1959)	9812
Kosol, S., et al. (1959)	9663	LesVeaux, J.F. (1959)	9710
Koto, H. & T. Fujii (1958)	9736	Lieder, U. (1958)	9182
Kowalski, R. (1958)	9247	Liepolt, R. (1958)	9145
Koyama, T. (1958)	9383	Linsey, C.C. (1958)	9219
Kramer, R.H. (1959)	9408	Liscom, K.L. (1959)	9705
		Lisitzin, E. (1958)	8678
		Lisitzin, E. (1959)	9856
		Littlejohn, M.J. & A.R. Main (1959)	9556
		Ljßen, R. (1958)	9278 9280
		Lodge, M. & P.C.G. Isaac (1958)	9160
		Long, C.W. (1959)	9707
		Lorant, M. (1959)	9475
		Louchet, Cl. (1957)	9306

Lowman, F.G. (1958)	9756	Mascarenhas, D.A. (1958)	9851
Lozano Cabo, F. (1959) 9520	9521	Masson, P.A.A.H. (1958)	9366
Lucas, C.E. (1959)	9823	Massuti, M. (1959) 9804	9805
Ludzack, F.J., W.M. Ingram & M.B. Ettinger (1957)	8952	Mather, F.J., III (1959)	9678
Lueck, B.F. (1957)	8953	Matida, Y., S. Kimura & M. Tanakawa (1959)	9672
Luscan, S. (1958)	9301	Matsumoto, J.J. (1959)	9683
Lux, F.E. (1958)	8839	Mature, F.J.S., Jr. (1957)	9121
Lux, F.E. (1959)	9550	Mauchline, J. (1959)	9620
MacAulay, M.A. (1959)	9264	Mauritius Fishery Branch (1958)	9109
MacDonald, R. (1957)	8702	Maxfield, G.H., K.L. Liscom & R.H. Lander (1959)	9705
MacGregor, J.S. (1957)	9374	McCaig, J. (1958)	8791
Machlis, L. (1958)	9140	McCleary, R.A. & J.J. Bernstein (1959)	9789
Machlis L. & J.G. Torrey (1959)	9448	McCombie, A.M. (1959)	9260
MacIntyre, R.J. (1959)	9333	McConnell, W.J. (1958)	8814
Mackereth, F.J.H. (1958)	9201	McConnell, W.J. & W.F. Sigler (1959)	9268
Maeda, T. (1959)	9605	McCready, C.C. (1958)	9445
Märki-Bleiker, E. (1958)	9201	McCrimmon, H.R. (1958)	9387
Maginsky, R.B. (1958)	8897	McFadden, J.T. (1959)	9421
Magnuson, J.J. (1958)	8790	McFarland, W.L. (1959)	8851
Mahadevan, P.R. (1959)	9687	McGowan, J.A. (1957)	9456
Main, A.R. (1959)	9556	McGowan, J.A. (1958)	9455
Mairs, D.F. (1959)	9541	McHugh, J.L. (1959)	9400
Makushok, V.M. (1958)	9557	McKenney, T.W. (1958)	8792
Mallacca, I. (1959)	9744	McKernan, D.L. (1959)	9420
Malay & Singapore Federation Fisheries Department (1959)	9468	McKinley, W.R., D.C. Brooks & R.E. Westley (1959)	9734
Manabe, S. (1957)	9010	McLean, R.C. (1959)	9798
Margerel, P. (1958)	9195	McLynn, R.G. (1958)	9392
Manguin, E. (1958)	9194	McNaught, D.C. (1957)	8762
Mann, H. (1959)	9052	McPherson, J.H. (1957)	8706
Manning, R.B. (1958)	9980	Medcof, J.C. (1958)	9690
Manning, R.B. (1959)	9105	Meckan, W.R. (1958)	8885
Manohar, M. (1958)	9852	Meinke, W.W. (1959)	9791
Mansueti, R. (1957)	9217	Meiser, A.L. (1958)	8793
Mansueti, R. (1958) 9214	9215	Melchior, P.J. (1958)	9005
Mansueti, R. & H. Elser (1958)	9716	Menasveta, D. (1958)	8881
Mansueti, R. & G. Murphy (1958)	9213	Menon, A.G.K. (1958)	8975
Marak, R.R. (1959)	9546	Menon, M.A.S. (1958)	8976
Marchal, L. (1959)	9627	Henzel, D.W. (1957)	8763
Marchmann, K. (1958)	9317	Henzel, D.W. (1959)	9525
Marcus, E. (1957)	9566	Menzies, R.J. (1958)	9471
Marcus, E. & E. Marcus (1957)	9566	Mertens, R. (1958)	9235
Marland, F. (1958)	8803	Mertins, H.C. (1958)	9008
Marriage, L.D. (1957)	8686	Messersmith, J.B. (1958)	8764
Marshall, A.J. & J.D. Roberts (1959)	9619	Messtorff, J. & R. Steinberg (1958)	9349
Marshall, T., R.F. Suggate & D.S. Nicholson (1958)	9836	Meyer, F.P. (1957)	8754
Martínez-Hidalgo y Terán, J.M. (Ed.) (1957) 8946	8945	Meyer, H. (1958)	9249
Martínez-Hidalgo y Terán, J.M. (Ed.) (1958)	8947	Miesner, E. (1958)	9849
to	8950	Miller, D. (1959)	9532
Maruyama, E. (1957)	9043	Miller, D. & R.R. Marak (1959)	9546
		Miller, J.D.A. (1958)	9196

Miller, R.J. (1958)	8898	Murphy, G. (1958)	9213
Milner, G.W.C. & G.A. Barnet (1958)	9231	Murray, A.R. (1958)	9890
Miricã, Gh. (1958)	9297	Muzirin As. (1957)	8714
Mito, S. (1957)	8977	Myers, G.S. (1959)	9530
Mitra, G.N. (1959)	9666 9673	Myers, G.S. & A. Leitão de Carvalho (1959)	9527
Moeljono, (1957)	8719	Myreberg, A.A., Jr. (1958)	8853
Moen, T. (1959)	9412	Naegelé, A. (1959)	9624
Moffett, A.W. (1957)	8899	Nagabhushanam, A.K. (1959)	9793
Moore, P.G. (1959)	9498	Nagasaki Marine Observatory Oceanographical Sections (1957)	9020
Morawa, F.W.F. (1958)	9178	Nagasawa, Y. (1958)	9742
Moretti, G. (1958)	9560	Naguib, M. (1958)	9253
Moretti, G., L. Formicone & L. Chiarini (1958)	9564	Nair, K. Balakrishnan & H. Leivestad (1959)	9276
Moretti, G., F.S. Gianotti & A. Giganti (1958)	9562	Nakamura, T. (1959)	9636
Moretti, G., F.S. Gianotti & A. Giganti (1959)	9561	Nakamura, T. & H. Fujioka (1958)	9491
Moretti, G., F.S. Gianotti & C. Rossi (1958)	9565	Nakano, M. & T. Abe (1958)	8992
Morgan, G.D. (1958)	9580	Nakayama, I. (1958)	9016
Moriyana, S. (1957)	8973	Nasu, K. (1958)	9595 9598
Morrow, J.E. & G.S. Posner (1957)	9511	Nayak, P.D. (1959)	9658
Morse, R.M. (1958)	8666	Neave, F. (1957)	9116
Mortimer, G.H. & F.J.H. Mackereth (1958)	9201	Neill, J.H. (1957)	8872
Moskalenko, B.K. (1957)	9136	Nelson, D.J. (1958)	8804
Mossewitsch, N.A. & A.G. Gussew (1958)	9149	Nelson, E.M. (1959)	9528
Motohiro, T., S. Fukushima & E. Tanikawa (1959)	9609	Nemoto, T. (1958)	9594
Motora, S. (1957)	9354	Nemoto, T. & K. Nasu (1958)	9595
Motwani, M.P., V.G. Jhingran & S.J. Karamchandani (1957)	8709	Nenchi, M. (1957)	9367
Mount, D.I. (1957)	8794	Neth, P.C. (1959)	8840
Mount, D.I. (1959)	9544	Neuhold, J.M. (1958)	8868
Mousinho Figueiredo, J. (1957)	9767	Nichols, A.G. (1957)	9035
Mountford, C.P. (1958)	9025	Nichols, P.R. (1958)	9309
Moyle, J.B. (1959)	9410 9430	Nicholson, D.S. (1958)	9836
Moyle, J.B. & W.D. Clothier (1959)	9422	Nicolau, A. (1958)	9304
Müller, G. (1958)	9862	Nicolau, A. & S. Luscan (1958)	9301
Müller, K. (1958)	9150	Nisbet, M. (1958)	9579 9582
Müller, W. (1958)	9173	Nisbet, M., G. Petit & D. Schachter (1958)	9163
Müller-Melchers, F.C. (1957)	9568	Nishikori, K. (1957)	9367
Muench, B. (1957)	8852	Nishiwaki, M. (1958)	9588
Mukai, M. (1958)	8681	Nishiwaki, M. & C. Handa (1958)	9587
Mullan, J.W. (1959)	9715	Nishiwaki, M., T. Hibiya & S.K. Ohsuni (1958)	9589
Muncy, R.J. (1957)	8795	Nishiwaki, M., T. Ichihara & S.K. Osumi (1958)	9591
Munz, F.W. (1957)	8860	Noble, R.E. (1959)	9735
Murata, K. et al. (1959)	9607	Nogales y Olano, C. (1958)	9854
Murawski, W.S. (1958)	8900	Noordt, W. (1958)	9254
Muromtsev, A.M. (1958)	8692	Nord, R.C. (1959)	9429
		Norman, M.B. (1957)	8827
		Norris, R.E. (1959)	9794
		Northcote, T.G. & G.F. Hartman (1959)	9529
		Norway. Fiskeridirektøren (1957)	9237
		Norway. Fiskeridirektøren (1958)	9312

Nota, D.J.G. (1958)	9864	Pinto, S.Y. (1957)	8710
Nusser, F. (1958)	9141	Piper, R.G. & K. Wolf (1959)	9719
Ochi, K. & Y. Akita (1957)	9361	Pircălăbciu, S. (1959)	9818
Oetomo, S. (1957)	8720	Plagnat, F. & M. Nisbet (1958)	9579
Oetomo, S. (1958)	8732	Planas, A. (1959)	9802
Oguro, M. (1959)	9608	Platts, W.S. (1958)	8796
Ohsumi, S.K. (1958)	9589	Platts, W.S. (1959)	9426
	9597	Plessis, Y. (1958)	9465 9472
Ohsumi, S.K., M. Nishiwaki & T. Hibiya (1958)	9588	Plosila, D. (1958)	8842
Oi, M. (1958)	8693	Pollard, J.K. (1957)	9435
Oishi, K. (1958)	9737 9738	Pope, E.C. (1958)	8957
Oishi, K. et al. (1959)	9606	Popescu, W. (1959)	9816
Olsen, S. (1958)	9200	Posner, C.S. (1957)	9511
Omura, H. (1958)	9586 9599	Postgate, J. (1959)	9703
Onoue, M., K. Nishikori & M. Nenohi (1957)	9367	Powell, B.W. (1958)	9846
Oregon. Fish Commission (1958)	9515	Presad, R.R. (1958)	8978
Orr, O.E. (1958)	8886	Pratt, D.M. & H. Berkson (1959)	9267
Osterhout, W.J.V. (1957)	9433	Praszkiewicz, A. (1958)	9203
Otsu, T. & R.N. Uchida (1959)	9647	Prenant, M. (1957)	8704
Overbeck, J. (1958)	9197	Pritchard, A. (1959)	9397
Pacheco, A.L. (1957)	8742	Proctor, C.H. (1958)	8869
Paetz, M.J. (1957)	8841	Proskic, J. & R.G. Gosselin (1958)	9516
Paget-Tomlinson, E.W. (1958?)	9189	Truginin, Y. (1959)	9208
Paiva, M.P. (1957)	9569	Fruter, A.T. (1959)	9731
Palmén, E. (1958)	9186	Quenherstedt, N. (1958)	9198
Pantín, H.M. (1957)	9126	Quinn, B.C. (1958)	8873
Papi, F. (1957)	9462	Rabanal, H.P. (1959)	9640
Paquette, R.G. & H. F. Frolander (1957)	9040	Robe, F.W. (1957)	8882
Paraense, W.L. & N. Deslandes (1957)	8707	Rădulescu, I. & N. Vasiliu-Suceveanu (1959)	9819
Parke, M. (1959)	8821	Rae, K.M. (1959)	9823
Parker, P.S. (1959)	9709	Raffel, S. (1959)	9698
Parsons, J.W. (1959)	9407	Rafter, P.L. & O.J. Fergusson (1957)	8673
Parsons, J.W. & E. Crittender (1959)	9424	Rakjat, L.M. (1959)	9661
Patil, A.M. (1958)	8959	Ramo, S. (1959)	9508
Pavletić, Z. (1957)	9487	Rand, L.C. (1957)	8954
Pax, F. (1957)	9164	Rand, R.T. (1959)	9611
Pekkari, A. (1957)	9490	Randall, J.F. (1958)	8901
Pena, M. (1958)	8729	Rao, C.P. (1958)	9002
Peralta, L.A. (1958)	9826	Rapport, R. (1959)	9786
Perret, J.-L. (1959)	9631	Rapson, A.M. (1959)	9646
Pershin, V.I. & A.I. Voznessensky (1957)	9359	Resquin, B. (1958)	9518
Petersen, G.H. (1958)	9318	Raymond, H.L. (1959)	9706
Petit, G. (1958)	9163	Re, J. P.J. (1959)	9533
Phelps, D.K. (1958)	8815	Rees, H.P. (1959)	9730
Phillips, A.M., Jr. (1959)	9406	Reese, E.S. (1959)	9618
Pierson, W.J. (1957)	9356	Rehder, D.D. (1959)	8797
Pike, R.B. & D.I. Williamson (1959)	9617	Reiner, J. (1959)	9452
Pillay, T.V.R. & B. Bose (1959)	9674	Reinhard, E.G. & P.G. Reischman (1958)	8703
		Reinhold, D. (1959)	9776
		Reischman, P.G. (1958)	8703
		Renfro, W.C. (1958)	8770

Rennerfelt, J.G.V. (1958)	9151	Sasa, S. (1959)	9610
Rice, T.R. & V.M. Willis (1959)	9263	Satow, T. (1957)	9343
Richards, F.J. (1959)	9575	Savoy, D. (1957)	8822
Rioja, E. (1958)	9243	Sawada, T. (1958)	8684 9017
Rivière, A. & S. Vernhet (1959)	8923	Sawyer, P.J. (1959)	9552
Roberts, J.D. (1959)	9619	Scarff, H. (1958)	9502
Robertson, R. (1957)	8708	Scattergood, L.W., C.J. Sindermann & B.E. Skud (1959)	9419
Robertson, W.V. (1959)	8861	Schachter, D. (1958)	9163 9164
Robins, C.R. & R.B. Manning (1958)	8980	Schaefer, M.B. (1959)	9399
Robinson, R.J. (1957)	9042	Schaefer, R.H. (1959)	8743
Rockwell, J., Jr. & S.P. Chur (1959)	9717	Schellenberger, G. (1959)	9822
Rodewald, M. (1958)	9018	Schlieper, C. (1958)	9168
Rodica, L. et al. (1958)	9300	Schlieper, C. & R. Kowalski (1958)	9247
Rodríguez-Roda, J. (1959)	9807	Schmitz, W. (1958)	9205
Roessingh, M. (1958)	9476	Schmulbach, J.C. (1957)	8798
Rofen, R.R. (1959)	9543	Schoeneman, D.E. (1959)	9727
Rokstad, G. (1958)	9277 9282	Schoumacher, R. (1959)	8843
Romania. Ministerul Industriei Bunurilor de Consum.		Schröder, T. (1958)	9146
Departamentul Industriei		Schuh, R. (1958)	9845
Alimentare (1958)	9294	Schulze, E. (1958)	9159
Romania. Ministerul Industriei Bunurilor de Consum.		Schutte, C.H.J. & J.A. van Eeden (1959)	9341
Departamentul Industriei		Schwartz, F.J. (1959)	9547
Alimentare (1959)	9743	Schwenke, H. (1958)	9248
Ronquillo, I.A. & A. de Jesus (1959)	9638	Schytt, V. (1957)	9137
Ronquillo, I.A., E. Villamater & H. Angeles (1959)	9639	Sciaccitano, A. (1957)	9364
Rosen, D.E. (1959)	8902	Scott, D.M. (1959)	9693
Rosenberg, J.L. (1957)	9436	Scottish Home Department (1958?)	8994
Rossi, C. (1958)	9565	Segerstråle, S.G. (1958)	9162 9185
Rossman, D.A. (1956)	9555	Seibold, E. (1958)	9861
Rotschild, B.J. (1959)	8771	Seidel, K. (1957)	9036 9037
Rotthauwe, H.W. (1958)	9376		9038
Rowen, A.N. (1958)	9117	Seidel, K. (1958)	9199
Rudakov, N.P. (1957)	8695	Seilkopf, H. (1959)	8677
Ruggles, P.C. (1959)	8816 9423	Seki, Y. (1958)	9601
Rusnak, G.A. (1957)	9828	Sekino, T. (1958)	9603
Ryhänen, R. (1958)	9155	Sereno, R., Tran Van Duc & M. Van Luom (1958)	9236
Ryther, J.H., C.S. Yentsch & G.H. Lauff (1959)	9270	Sergeant, D.E. (1958)	9691
Sachlan, M. (1957)	8716	Serpoianu, Ch. & V. Chirilă (1958)	9295
Saetersdal, G. (1958)	9289	Seymour, A.H. et al. (1957)	9758
Sagara, J. (1958)	9381	Sezen, T. (1959)	9750
Sager, G. (1957)	9347 9350	Shekhanova, I.A. (1957)	8696
Salam, (1959)	9656	Shenton, E.H. (1957)	9132
Salanki, J. (1958)	9470	Shapard, F.I. (1958)	9863
Salyer, J.T. (1959)	8883	Shibata, T. (1958)	9741
Sanusi, R. (1958)	8726	Shiino, S.M. (1957)	9468
Sapporo. Meteorological Observatory (1958)	9006 9021	Shiino, S.M. (1958)	9469
Sarajini, K.K. (1959)	9644	Shimozaki, Y. (1959)	9682
		Shiroma, K. (1958)	8680
		Shliamin, B.A. (1957)	9134
		Sigler, W.F. (1959)	9268
		Silas, E.G. (1958)	8981

Silfversparre, W. (1958)	9148	Strahan, R. (1959)	9536
Silvea, N.N. (1959)	9662	Strasburg, D.W. (1959)	9545
Sindermann, C.J. (1959)	9419	Strickland, J.D.H. (1958)	9221
Sindermann, C.J. & D.F. Mairs (1959)	9541	Stringer, G.E. & R.G. McMyinn (1958)	9222 9392
Sjabri, S. (1957)	8713	Stross, R.C. (1958)	8844
Skerman, T.M. (1957)	8691	Stundl, K. (1958)	9147
Skud, B.E. (1959)	9419	Sulu, P. (1959)	9802
Sládeček, V. (1958)	9157	Sublette, J.E. (1958)	8964
Slanina, K. (1958)	9191	Suggate, R.F. (1958)	9836
Small, L.F. (1959)	8828	Sugiura, J. (1958)	8990
Smart, E.W. (1958)	8805	Sugiura, K. (1958)	9379
Smith, J.L.B. (1959)	9810	Sukirna, N. (1958)	8723
Smith, L. & B. Chance (1958)	9447	Sulit, J.I. et al. (1959)	9659
Smith, L.L., Jr., D.R. Franklin & R.H. Kramer (1959)	9408	Sulit, J.I., R.S. Esguerra & H.F. Rabanal	9640
Smith, R.E. (1959)	9548	Sunde, L.A. & C.C. Linsey (1958)	9219
Sneed, K.E. & H.P. Clemens (1959)	9713	Suomalainen, P. (1958)	9192
Snieszko, S.F. (1959)	9723	Surber, E.W. (1959)	9401
Snieszko, S.F., C.E. Dunbar & G.L. Bullock (1959)	9712	Suwetja, H. (1958)	8724
Soedihjo, Sj. (1957)	8717	Suyehiro, Y. et al. (1957)	8982
Soekirna, N. (1958)	8728	Suzuki, H. (1958)	9600
Soesanto, V. (1958)	8727	Suzuki, R. (1958)	9479
Soeseno, B.S. (1959)	9642	Swarup, H. & D.K. Belsare (1959)	9685
Sommet, J. (1957)	9360	Sykes, J.E. (1958)	9308
Soule, F.M. & R.M. Morse (1958)	8666	Symposium on the Behaviour of Ships in a Seaway, 7-10 Sept., 1957 (1957)	9351
South Australia. Department of Fisheries & Game (1958)	9111	Takano, H. (1959)	9679
Spadea, M.C. (1958)	8682	Takano, H. & T. Hanato (1958)	8983
Sparks, A.K. (1957)	8755	Takashi, I. (1958)	9382
Sparks, A.K. (1958)	8956 9129	Takayama, S. & T. Koyama (1958)	9383
Spence, E.P. (1958)	8799	Takayama, S., Y. Saimozaki & K. Kanna (1959)	9682
Specht, R.L. & C.P. Mountford (Ed.) (1958)	9025	Takayama, S. & C. Washimuta (1958)	9384
Spencer, R.S. (1959)	9326	Takemura, Y. (1958)	9380
Spindler, J.C. (1959)	9415	Talbot, G.B. & J.E. Sykes (1958)	9308
Sprague, J. (1958)	8744	Tamakiwa, H. (1959)	9672
Springer, V.G. (1957)	8903	Taneri, B. (1959)	9751
Springer, V.G. (1958)	8937	Tanikawa, D. (1959)	9609
Šrámek-Hušek, R. (1958)	9161	Tanikawa, E., T. Wakabayashi & Y. Nagasawa (1958)	9742
Sroufe, S.A., Jr. (1959)	9463	Tanizaki, M. (1959)	9643
Starr, M.P. (1959)	9698	Tash, J.C. (1959)	8829
Stearns, C.R. (1959)	9259	Tchernia, P. (1959)	9835
Steele, R.E. (1959)	9054	Teiling, E. (1958)	9193
Stegman, J.E. (1957)	8904	Teixeira, C. (1957)	9571
Steinberg, R. (1958)	9349	Tejunga, H.T. (1958)	9695
Steinitz, H. (1959)	9531	Terzuchi, E. (1957)	9371
Stella, E. (1958)	9169		
Stevenson, R.A., Jr. (1958)	8800		
Steward, F.C. & J.K. Pollard (1957)	9435		
Stewart, L. (1959)	9720		
Størkersen, F. (1958)	9283		

Tetsumoto, S. (1959)	9660	9684	U.N. (1957)	9210
Tharratt, R.C. (1957)		8765	U.N. Conference on the Law of	
Tharratt, R.C. (1959)		9782	the Sea - Geneva, 24 February	
Thienemann, A. (1958)		9207	- 27 April 1958 (1959)	8905 8917
Thomas, G.J. (1959)		9473		to 8922
Thomas, H.J. (1958)		9273		8929 to
Thomas, J.C. (1958)		8766		8942
Thompson, M.H. (1959)		9056	U.N. Secretariat (1959)	8906 8911
Thompson, R.B. (1959)		9733	UNESCO Secretariat (1959)	8907
Thompson, V.F. (1959)		9428	U.S. Coast & Geodetic	
Thomson, J.M. (1959)	9325	9335	Survey (1959)	9512
	to	9339	Ursin, E. (1958)	9316
Thorson, T.E. (1959)		9535	Usinger, R.L. &	
Tick, L.J. &			J.L. Herring (1957)	8958
W.J. Pierson (1957)		9356	Utermohl, H. (1957)	9039
Tinkle, D.E. (1959)		9538	Uyeno, F. (1958)	9000 9001
Tjemsland, J. (1958)		9287	Vaas, K.F. (1959)	9641
Todd, F.H. (1957)		9363	Vaas-van Oven, A. (1959)	9634 9635
Tonolli, V. (1958)	9179	9559	Van Bemmcl, A.C.V. (1957)	9495
Torphy, Sh.R. &			van Cleve, R. (1959)	8908
J.M. Zeigler (1957)		9322	Van Duc, T. (1958)	9236
Torrey, J.G. (1958)		9440	van Eeden, J.A. (1959)	9341
Torrey, J.G. (1959)		9448	Van Luom, N. (1958)	9236
Traung, J.-O. (Comp.) (1959)		9725	Vanneste, O. &	
Travassos, H. &			P. Hovart (1959)	9097
M.P. Paiva (1957)		9569	Vannucci, M. (1957)	9567 9572
Trenary, J.D. (1958)		8745	Van Wyhe, G.L. (1958)	8845
Trevino Robinson, D. (1959)		9551	Vasilu-Sucoveanu, N. (1959)	9819
Trotti, L. (1957)		9224	Vazsonyi, A. (1958)	9509
Tsukamoto, Y. &			Verheijen, F.J. (1959)	9801
S. Yoshino (1957)		8985	Vernberg, W.B. (1957)	9124
Tsukuda, H. &			Vernhet, S. (1959)	8923
T. Katayama (1957)		9481	Vibert, R. (1958)	9176
Tsuruta, A., T. Satow &			Vigand, A. (1958)	9563
K. Hayama (1957)		9343	Villalobos, A. (1958)	9244
Tugendhat, B. (1959)		9775	Villamator, E. (1959)	9839
Turian, G.F. (1959)		9700	Visnevskii, A.A. (1958)	8638
Tyler, J.C. (1959)		9526	Vives, F., P. Suau &	
Uchida, R.N. (1959)		9647	A. Planas (1959)	9802
Uda, M. (1957)		9007	Vivier, F. (1958)	9581
Uda, M. (1958)		8991	Vladykov, V.D. (1958)	9391
Uda, M. & H. Suzuki (1958)		9600	Voss, G.L. & D.S. Eräman (1959)	9801
Udvardy, M.D.F. (1958)		9128	Voznessensky, A.I. (1957)	9589
Uhlmann, D. (1958)		9158	Voznessensky, A.I. &	
Uner, S. (1959)		9753	G.A. Firsoff (1957)	9351
U.K. Herring Industry Board			Wahl, R.W. (1958)	9449
(1958?)	8993	9209	Wakawa, T. (1958)	8741
U.K. Meteorological			Walden, E. (1958)	8928
Office (1958)		9275	Waldichuk, M. (1957)	9119
U.K. Meteorological			Walker, C.R. (1957)	8871
Office (1958?)	8999		Walker, W.F. (1959)	9851
U.K. Ministry of Transport			Wallen, I.E., W.C. Green &	
& Civil Aviation (1958)	9271	9272	R. Lasater (1957)	9769
U.K. Operational Research			Walton, M. (1959)	9467
Society (1959)		9503	Warren, C.E. (1959)	9397
U.K. Treaties, etc. (1959)		9127	Washington (State) Department	
			of Fisheries (1958)	9116

Watanabe, K. & I. Nakayama (1958)	9016	Woodford, E.K., K. Holly & C.C. McCready (1958)	9445
Watanabe, T. (1957)	8689	Wood-Gush, D.G.M. (1959)	9788
Watts, J.C.D. (1959)	9626	Woods, L.P. (1959)	9539
Weaver, D. (1958)	8772	Woods Hole Oceanographic Institution (1958)	9107 9108
Webb, W.E. (1958)	8875	Woolcott, W.S. (1959)	9554
Weber, D.T. (1959)	8773	Woolbridge, D.E. (1959)	9508
Welander, A.D. (1958)	9757	Wright, J.C. (1959)	9258
Wendler, H.O. (1959)	9732	Wright, T.W. (1957)	8850
Went, A.E.J. (1959)	9799	Wu, H.-W. & C.-C. Chao (1958)	9177
Werby, R.T. (1958)	8883	Wulker, W. (1958)	9184
Werner, H.V. (1957)	8746	Wuhrmann, J. & H. Woker (1958)	9152
Wesemann, W. (1958)	9118	Wyatt, J.F. (1958)	9499
Westley, R.E. (1959)	9734	Yabuta, Y. & H. Yukinawa (1959)	9650
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